BRUHAT BANGALORE MAHANAGARA PALIKE

EXECUTIVE ENGINEER YELAHANKA DIVISION

Name Of Work: Modified Estimate For Improvements to Roads, Drains and Other Developmental Works at Shivamandira Road, Matru Layout, Shaada Nagar Judicial Layout and Surrounding Area in Ward no 02,03,04 of Yelahanka Division under Amruth Nagarothana Grants. (PAKAGE NO -05)

Sl. No	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead **I** By Manual Means B Cement Concrete Grade M-15 & M-20 (PWD SR 2021-22 Vol III Pg no 8 Item No 2.7(i) **B)**								
		Cum							
							0.00	819.97	0.00
	Approved Amount	819.97							
2	Dismantling of **cement concrete pavement** by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 m3 in volume and stock piling at designated locations and disposal of dismantled materials and stacking serviceable and unserviceable materials separatel (V-III Page No.10, Item No.2.19 of PWD SR								
	CC Road								
	CC Road Opposite to School Building		1	33.80	1.20	0.25	10.14		
	School Building Side		1	21.00	1.37	0.25	7.17		
	Cross Rd-1		1	64.50	2.13	0.20	27.48		
	Cross Rd-2		1	11.40	2.00	0.20	4.56		
							49.35	473.25	23354.89
	Approved Amount	473.25							
3	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. (PWD SR 2021-22 Vol -I Pg No 5 item no 1.4.1)								
	New Drain	Cum							
	Ward No-02								
	JP Colony								
	Opposite to School Building		1	36.40	0.90	0.80	26.21		
	Cross Rd-1		1	61.50	0.90	0.95	52.58		
	Jp Colony Main Road		1	87.50	1.10	0.90	86.63		
	Ward No-03								
	Shivamandira Road LHS		1	600.70	1.35	1.20	973.13		
	Shivamandira Road RHS		1	838.00	1.35	1.20	1357.56		
	Goutham Budha Park Rd		1	41.10	1.50	1.20	73.98		
	Goutham Budha Park Back Side Rd		1	58.30	1.50	1.20	104.94		
	Krishna Oil Mill								
	Park Back Side		1	77.00	1.00	1.00	77.00		
	Park Front Side		1	80.00	1.80	1.50	216.00		
	Ward No-04								
	Kaveri Park								
	Eastern Side		1	93.00	1.50	1.10	153.45		
	Southern Side		1	50.40	1.50	1.10	83.16		
			1	25.70	1.20	1.10	33.92		

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	4th Cro Ld		2	182.70	1.80	0.25	164.43		
	For Side oncrete								
	Shivama ira Road LHS		1	525.00	0.30	0.20	31.50		
	Shivamandira Road RHS		1	750.00	0.50	0.20	75.00		
	Goutham Budha Park Back Side Rd		1	58.30	0.50	0.20	5.83		
	Judicial Layout								
	11th Main Rd		2	116.30	0.70	0.10	16.28		
	13th Cross Rd		2	66.00	0.60	0.10	7.92		
	12th Cross Rd		1	37.40	1.00	0.10	3.74		
	13th Main Rd		1	55.90	0.55	0.10	3.07		
	5th A Cross Rd		2	128.30	0.60	0.10	15.40		
	12th Main Rd		1	13.30	0.35	0.10	0.47		
	Debris		1	26.80	1.00	0.30	8.04		
	Total						**9886.33**	**341.00**	**3371238.83**
	Approved Amount	**341.00**							
4	Providing and laying in position plain cement concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (PWD SR 2021-22 Vol I Pg 15 item no 2.1.3)								-
	New Drain	Cum							
	Ward No-02								
	JP Colony								
	Opposite to School Building		1	36.40	0.90	0.15	4.91		
	Cross Rd-1		1	61.50	0.90	0.15	8.30		
	Jp Colony Main Road		1	87.50	1.10	0.15	14.44		
	Ward No-03								
	Shivamandira Road LHS		1	600.70	1.35	0.15	121.64		
	Shivamandira Road RHS		1	838.00	1.35	0.15	169.70		
	Goutham Budha Park Rd		1	41.10	1.50	0.15	9.25		
	Goutham Budha Park Back Side Rd		1	58.30	1.50	0.15	13.12		
	Krishna Oil Mill								
	Park Back Side		1	77.00	1.00	0.15	11.55		
	Park Front Side		1	80.00	1.80	0.15	21.60		
	Ward No-04								
	Kaveri Park								
	Eastern Side		1	93.00	1.50	0.15	20.93		
	Southern Side		1	50.40	1.50	0.15	11.34		
			1	25.70	1.20	0.15	4.63		
	Western Side		1	107.90	1.50	0.15	24.28		
	Northern Side		1	12.40	1.50	0.15	2.79		
	Matru Layout								
	1st Main Rd		2	84.80	1.10	0.15	27.98		-
	1st Main Rd Continued RHS		1	283.70	1.10	0.15	46.81		
	3rd Cross Rd		2	26.40	1.10	0.15	8.71		
	4th Cross Rd		2	31.20	1.10	0.15	10.30		
	6th Cross Rd		2	30.50	1.10	0.15	10.07		
	Chikbomasandra								
	Someshwara Swamy Temple Rd		1	61.00	1.10	0.15	10.07		
	1st Cross Rd		2	42.00	1.00	0.15	12.60		
	Shridi Sai Nivas Appertment Rd		2	52.00	1.10	0.15	17.16		

	scription of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	For Footings								
	C1								
	C2		3	2.25	2.25	0.20	3.04		
	C3		7	2.00	2.00	0.20	5.60		
	For SSM		7	1.50	1.50	0.20	3.15		
	Long Wall								
	Long Wall		2	12.90	0.60	0.15	2.32		
			1	15.30	0.60	0.15	1.38		
	Staircase Back wall		2	1.70	0.45	0.20	0.31		
	Short Wall		1	2.40	0.60	0.20	0.29		
			3	7.00	0.60	0.20	2.52		
	Staircase Side wall		2	5.32	0.60	0.15	0.96		
	Deduct Coloumn		1	4.35	0.60	0.15	0.39		
			-10	0.30	0.15	0.15	-0.07		
	For Staircase Footing		-7	0.45	0.15	0.15	-0.07		
	School building Flooring		1	1.10	0.60	0.15	0.10		
	For Flooring Varandah								
	Class Room		1	14.77	1.60	0.15	3.54		
			1	7.20	5.30	0.15	5.72		
-							**2022.34**		
					Upto 125%		**1934.50**	**6452.10**	**12481615.96**
	Approved Amount	**6452.10**			**Above 125%**		**87.84**	**6452.10**	**566723.95**
	Basic Rate			**5752.00**					
	AW-10%			**575.20**					
	Sub Total			**6327.20**					
	Above 1.975%			**124.90**					
	Total			**6452.10**					
5	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately) (PWD SR 2021-22 Vol -I Pg 17 item no 2.4.2)								
	Drain Raft	**Cum**							
	Ward No-02								
	JP Colony								
	Opposite to School Building		1	36.40	0.60	0.15	3.28		
	Cross Rd-1		1	61.50	0.60	0.15	5.54		
	Jp Colony Main Road		1	82.00	0.90	0.15	11.07		
			1	5.50	0.75	0.15	0.62		
	Ward No-03								
	Shivamandira Road LHS		1	600.70	1.20	0.15	108.13		
	Shivamandira Road RHS		1	838.00	1.20	0.15	150.84		
	Goutham Budha Park Rd		1	41.10	1.20	0.15	7.40		
	Goutham Budha Park Back Side Rd		1	58.30	1.20	0.15	10.49		
	Krishna Oil Mill								
	Park Back Side		1	80.00	0.60	0.15	7.20		
	Park Front Side		1	80.00	1.50	0.15	18.00		
	Ward No-04								
	Kaveri Park								
	Eastern Side		1	93.00	1.20	0.15	16.74		
	Southern Side		1	50.40	1.20	0.15	9.07		
			1	25.70	1.20	0.15	4.63		

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	5th Main Rd		2	7.50	0.25	0.56	2.10		
	6th Main Rd		2	7.50	0.23	0.45	1.55		
	Ward No-01						**75.39**		
	R.O Plant In Police Quaters Bagalur Yelahanka								
	For Footings		4	1.50	1.50	0.45	4.05		
	For Coloumn		4	0.30	0.30	0.90	0.32		
	Plinth Beam		2	6.30	0.23	0.35	1.01		
			2	4.90	0.23	0.35	0.79		
	Ward No-02								
	R.O Plant In Inside CRPF Yelahanka								
	For Footings		4	1.50	1.50	0.45	4.05		
	For Coloumn		4	0.30	0.30	0.90	0.32		
	Plinth Beam		2	6.30	0.23	0.35	1.01		
			2	4.45	0.23	0.35	0.72		
	R.O Plant In Govt. PU College Yelahanka								
	For Footings		4	1.50	1.50	0.45	4.05		
	For Coloumn		4	0.30	0.30	0.90	0.32		
	Plinth Beam		2	6.30	0.23	0.35	1.01		
			2	4.90	0.23	0.35	0.79		
							18.46		
	Road Side Corner Concrete								
			15	1.50	1.20	0.23	6.21		
			20	1.20	1.00	0.23	5.52		
							11.73		
	For SSM Culvert Bed Concrete								
	Matru Layout								
			1	6.10	0.60	0.20	0.73		
			1	8.00	0.60	0.20	0.96		
			1	7.60	0.60	0.20	0.91		
							2.60		
	Total						**2442.42** ✓	**7368.31** ✓	**17996539.50**
	Approved Amount	**7368.31**							
6	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. MORTH Specification NO.1600&2200 (PWD SR 2021-22 Vol -III Pg 99 item no 13.1)								
	For Drain	Cum					**2334.24**		
		kg	Steel assumed 60Kg/Cum of Concrete				140054.57		
		tonne					**140.05**		
	For Culvert	Cum					75.39		
		kg	Steel assumed 68 Kg/Cum of Concrete				5088.71		
		tonne					**5.09**		
	Total						**145.14** ✓	**115906.72** ✓	**16823081.72**
	Approved Amount	**115906.72**							
7	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with **10cm thick** made of M25 with OPC cement @ 340kgs per Cum with 20 mm and Down size graded granite metal coarse agg @.70 mixed including providing and removing centering, shuttering, shuttering propping etc. for edges of slabs with TMT (Fe500) COM, labor, labor, all Lead and Lift, HOM, Curing, including Cost of reinf. Etc, Complete as directed by the Engineer In charge of Work (Data Rate)								
	New Drain Cover Slab	**Sqm**							
	Ward No-02								
	JP Colony								

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	For Damages/Reaches								
			30	0.60	0.90		16.20		
			20	0.60	0.90		10.80		
	For Shoulder								
			79	2.40	0.60		113.76		
			53	3.00	0.60		95.40		
			33	1.60	0.60		31.68		
	Deduct BS Slab		-1	223.30	0.90		-200.97		
	4th Cross Rd		2	48.28	0.90		86.90		
	Continue 4th Cross Rd		2	255.60	0.90		460.08		
	5th Cross Rd		2	86.50	0.90		155.70		
	6th Cross Rd		2	186.60	0.90		335.88		
	4th Main Rd		1	59.00	0.90		53.10		
	3rd A Main Rd		1	19.40	0.90		17.46		
	Connectivity Drain								
	5th Main Rd		1	11.30	0.90		10.17		
	6th Main Rd		1	1.80	0.90		1.62		
	13th Cross Rd		1	13.60	0.90		12.24		
	Deduct BS Slab		-1	346.95	0.90		-312.26		
	5th Main Rd		2	35.90	0.90		64.62		
	3rd Main Rd		1	18.50	0.90		16.65		
	1st Main Rd		1	18.40	0.90		16.56		
	Total								
							6336.63		
					Upto 125%		**6281.68**	**2112.92**	**13272689.95**
					Above 125%		**54.94**	**2112.92**	**116083.82**
	Approved Amount	**2112.92**							
	Data Rate			**2072.00**					
	Above 1.975%			**40.92**					
	Total			**2112.92**					
8	Providing B S slabs of selected quality roughly dressed havinf a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete. as directed by the Engineer in Charge of the work (excluding GST and Area Leading Charges)								
		Sqm							
	Matru Layout								
	1st Main Rd		1	10.80	0.90		9.72		
	1st Main Rd Continued		1	9.00	0.90		8.10		
	3rd Cross Rd		1	12.90	0.90		11.61		
	SSM Culvert		1	8.00	1.50		12.00		
	Judicial Layout Surrounding		1	417.95	0.90		376.16		
	Total						**417.59**	**853.53**	**356422.00**
	Approved Amount	**853.53**							
9	Providing Machine Cutting edges to B S slab 2.5 cms. wide as per specifications. (only chamfered length shall be recorded) inclusive of all Taxes complete. as directed by the Engineer in Charge of the work (excluding Area								
		M							
	Matru Layout								
	1st Main Rd_		1	10.80			10.80		
	1st Main Rd Continued		1	9.00			9.00		
	3rd Cross Rd		1	12.90			12.90		
	Judicial Layout Surrounding		1	483.50			483.50		
	Total						**516.20**	**397.70**	**205293.00**
	Approved Amount	**397.70**							
10	Providing and Fixing pre cast covering **Slab made out of CC M20 with 150cm thick** and Finishing cutting ,including form work,curing,including cost of all materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)								
		Sqm							
							0.00	**2612.60**	**0.00**

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	Approved Amount	2612.60							
1	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) (SR, 2021-22 Vol-2, Sl No 5.4, , P No: 09)								
		Cum							
	School Building								
	For SSM								
	Long Wall		2	12.90	0.60	0.75	11.61		
	Long Wall		1	15.30	0.60	0.75	6.89		
			2	1.70	0.60	0.45	0.92		
	Staircase Back wall		1	2.40	0.60	0.75	1.08		
	Short Wall		3	7.00	0.60	0.75	9.45		
			2	5.32	0.60	0.75	4.79		
	Staircase Side wall		1	4.35	0.60	0.75	1.96		
	Deduct Coloumn		-10	0.30	0.15	0.75	-0.34		
			-7	0.45	0.15	0.75	-0.35		
	Vidhana soudha Grill								
	1st Step								
	near Krishnam oil mill								
	West Side		1	76.00	0.75	0.40	22.80		
	North Side		1	12.00	0.75	0.40	3.60		
	2nd Step								
	near Krishnam oil mill								
	West Side		1	76.00	0.60	0.60	27.36		
	North Side		1	12.00	0.60	0.44	3.19		
	For SSM Culvert								
	Matru Layout								
			2	6.10	0.45	0.45	2.47		
			2	8.00	0.45	0.45	3.24		
			2	7.60	0.45	0.40	2.74		
	Ward No-01								
	R.O Plant In Police Quaters Bagalur Yelahanka								
	For SSM		2	5.70	0.60	0.45	3.08		
			2	5.70	0.45	0.45	2.31		
			2	4.30	0.60	0.45	2.32		
			2	4.30	0.45	0.45	1.74		
	Ward No-02								
	R.O Plant In Inside CRPF Yelahanka								
	For SSM		2	5.70	0.60	0.45	3.08		
			2	5.70	0.45	0.45	2.31		
			2	4.00	0.60	0.45	2.16		
			2	4.00	0.45	0.45	1.62		
	R.O Plant In Govt. PU College Yelahanka								
	For SSM		2	5.70	0.60	0.45	3.08		
			2	5.70	0.45	0.45	2.31		
			2	4.30	0.60	0.45	2.32		
			2	4.30	0.45	0.45	1.74		
							129.45	**6081.90**	**787301.96**
	Approved Amount	**6081.90**							
	Providing Flush/ Ruled pointing: Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of Engineer-in-charge. (SR, 2021-22 Vol-2, Sl No 8.19.1, , P No: 44)								
12	For Vidhansoudha Grill	Sqm							
	near Krishnam oil mill								
	West Side		2	76.00		0.60	91.20		

Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
North Side		2	12.00		0.44	10.63		
Tota					Cum	101.81		
Approved Amount	**224.35**						**224.35**	**22841.07**

3 Providing and Fixing pre cast covering Slab 230mm thick made out of CC 1:1.5:3 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge

Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
Culvert Cover Slab	Sqm							
Shivandira Road								
		1	12.30	1.50		18.45		
		1	8.50	1.50		12.75		
		1	4.90	1.50		7.35		
		1	6.60	1.50		9.90		
		1	5.50	1.50		8.25		
		1	8.00	1.50		12.00		
		1	6.20	1.50		9.30		
		1	7.00	1.50		10.50		
Judicial Layout								
		1	7.30	1.20		8.76		
		1	7.00	1.20		8.40		
Kaveri Park								
		1	8.10	1.50		12.15		
		1	8.00	1.50		12.00		
Matru Layout								
		1	7.00	1.50		10.50		
		1	7.30	1.20		8.76		
Muneshwara Layout								
		1	6.40	1.20		7.68		
For SSM Culvert								
Matru Layout								
		1	6.10	1.50		9.15		
			8.00					
		1	7.60	1.50		11.40		
6th Cross Rd								
2nd Main Rd		1	7.85	1.20		9.42		
3rd Main Rd		1	8.20	1.20		9.84		
4th Main Rd		1	7.20	1.20		8.64		
5th Main Rd		1	7.50	1.20		9.00		
Total						**214.20**	**5136.48**	**1100234.02**
Approved Amount	**5136.48**							

14 Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. **Mix 1:2:4 (M15)** (PWD SR 2021-22 Vol -I Pg 17 item no

Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	Cum							
For Kerb Pcc								
Ward No-03								
Shivamandira Road LHS		1	600.70	0.20	0.10	12.01		
Shivamandira Road RHS		1	838.00	0.20	0.10	16.76		
Goutham Budha Park Rd		1	41.10	0.20	0.10	0.82		
Goutham Budha Park Back Side Rd		1	58.30	0.20	0.10	1.17		
Krishna Oil Mill								
Park Back Side		1	77.00	0.20	0.10	1.54		
Park Front Side		1	80.00	0.20	0.10	1.60		

o	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	3rd Main Rd		1	18.50	0.20	0.10	0.37		
	1st Main Rd		1	18.40	0.20	0.10	0.37		
	Tree Guard Surrounding		1	193.00	0.20	0.10	3.86		
	For Side Concrete								
	Shivamandira Road LHS		1	525.00	0.30	0.10	15.75		
	Shivamandira Road RHS		1	750.00	0.50	0.10	37.50		
	Goutham Budha Park Back Side Rd		1	58.30	0.50	0.10	2.92		
	Judicial Layout								
	11th Main Rd		2	116.30	0.70	0.10	16.28		
	13th Cross Rd		2	66.00	0.60	0.10	7.92		
	12th Cross Rd		1	37.40	1.00	0.10	3.74		
	13th Main Rd		1	55.90	0.55	0.10	3.07		
	5th A Cross Rd		2	128.30	0.60	0.10	15.40		
	12th Main Rd		1	13.30	0.30	0.10	0.40		
			1	1.00	0.30	0.10	0.03		
	For SSM Culvert								
	Matru Layout								
			2	6.10	0.45	0.15	0.82		
			2	8.00	0.45	0.15	1.08		
			2	7.60	0.45	0.15	1.03		
	Coping								
	near Krishnam oil mill								
	West Side		1	76.00	0.65	0.10	4.94		
	North Side		1	12.00	0.65	0.10	0.78		
	Total						**269.86**		
					Upto 125%		**114.25**	**6838.04**	**781237.52**
					Above 125%		**155.61**	**6838.04**	**1064059.54**
	Approved Amount	**6838.04**							
	Basic Rate			**6096.00**					
	AW-10%			**609.60**					
	Sub Total			**6705.60**					
	Above 1.975%			**132.44**					
	Total			**6838.04**					
15	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete as directed by the Engineer in Charge of the work (excluding GST and Area Leading Charges)								
		Nos							
	Ward No-03								
	Shivamandira Road LHS		1	600.70			600.70		
	Shivamandira Road RHS		1	838.00			838.00		
	Goutham Budha Park Rd		1	41.10			41.10		
	Goutham Budha Park Back Side Rd		1	58.30			58.30		
	Krishna Oil Mill						0.00		
	Park Back Side		1	77.00			77.00		
	Park Front Side		1	80.00			80.00		
	Ward No-04								
	Kaveri Park								
	Eastern Side		1	93.00			93.00		
	Southern Side		1	50.40			50.40		
			1	25.70			25.70		
	Western Side		1	107.90			107.90		
	Northern Side		1	12.40			12.40		
	Matru Layout								
	1st Main Rd		2	84.80			169.60		

Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
Painting Two Coats on New Concrete Surfaces Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concretesurfaces. MORTH Chapter 803 (PWD SR 2021-22 Vol III Pg no 56 Item No 8.10)								
Kerb Painting	Sqm							
Shivamandira Road LHS		1	600.70		0.30	180.21		
Shivamandira Road RHS		1	838.00		0.30	251.40		
Goutham Budha Park Rd		1	41.10		0.30	12.33		
Goutham Budha Park Back Side Rd		1	58.30		0.30	17.49		
Krishna Oil Mill								
Park Back Side		1	77.00		0.30	23.10		
Park Front Side		1	80.00		0.30	24.00		
Ward No-04								
Kaveri Park								
Eastern Side		1	93.00		0.30	27.90		
Southern Side		1	50.40		0.30	15.12		
		1	25.70		0.30	7.71		
Western Side		1	107.90		0.30	32.37		
Northern Side		1	12.40		0.30	3.72		
Matru Layout								
1st Main Rd		2	84.80		0.30	50.88		
1st Main Rd Continued RHS		1	283.70		0.30	85.11		
3rd Cross Rd		2	26.40		0.30	15.84		
4th Cross Rd		2	31.20		0.30	18.72		
6th Cross Rd		2	30.50		0.30	18.30		
Judicial Layout								
14th Cross Rd RHS		1	108.80		0.30	32.64		
		1	98.90		0.30	29.67		
		1	38.00		0.30	11.40		
14th Cross Rd LHS		1	223.70		0.30	67.11		
11th Main Rd		2	111.00		0.30	66.60		
13th Cross Rd		2	53.60		0.30	32.16		
12th Cross Rd		2	58.40		0.30	35.04		
12th Main rd		1	85.50		0.30	25.65		
11th Cross Rd		2	46.20		0.30	27.72		
10th Cross Rd		2	110.00		0.30	66.00		
9th Cross Rd		2	106.50		0.30	63.90		
Main Rd From 9th Cross Rd		1	57.00		0.30	17.10		
13th A Main Rd (From 10th Cross Rd)		2	57.60		0.30	34.56		
13th Main Rd (From 3rd Cross Rd)		1	55.90		0.30	16.77		
5th A Cross Rd		2	134.60		0.30	80.76		
12th Main Rd(From 5th A Cross Rd)		1	13.30		0.30	3.99		
For Turning								
		20	2.25		0.30	13.50		
		25	2.70		0.30	20.25		
For Tree Guard								
		23	3.65		0.30	25.19		
Deduct		-1	0.30		0.30	-0.09		
For Kerb Stone								
Judicial Layout								
4th Cross Rd		2	48.28		0.30	28.97		
Continue 4th Cross Rd		2	257.40		0.30	154.44		
5th Cross Rd		2	86.50		0.30	51.90		
6th Cross Rd		2	188.10		0.30	112.86		
4th Main Rd		1	59.00		0.30	17.70		

Sl.	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	3rd A Main Rd		1	19.40		0.30	5.82		
	5th Main Rd		2	35.90		0.30	21.54		
	4th Main Rd		1	56.00		0.30	16.80		
	3rd Main Rd		2	27.25		0.30	16.35		
	1st Main Rd		1	18.40		0.30	5.52		
	Tree Guard Surrounding		1	215.16		0.30	64.55		
	Total						1950.56		
					Upto 125%		1817.03	95.35	173253.33
					Above 125%		133.53	95.35	12732.09
	Approved Amount	95.35							
	Basic Rate			85.00					
	AW-10%			8.50					
	Sub Total			93.50					
	Above 1.975%			1.85					
	Total			95.35					
17	Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level , including cost of materials, labour and Usage charges of machinery complete as per specifications. (PWD SR 21-22 Vol II Pg no 64 Item No 9.31)								
	For Cobble Stones	Cum							
	Vending Zone Near Krishna Oil Mill(Road side Pathway)		1	93.70	1.87		175.22		
	Between Center Pathway		1	71.00	6.80		482.80		
	Deduction								
	Deduction Of Tree Guard		-11	1.45	1.00		-15.95		
	Deduction Of Shoulder		-2	1.20	0.60		-1.44		
	Shiva Mandhir Road RHS		1	373.04	1.00		373.04		
	Shiva Mandhir Road LHS		1	506.75	1.00		506.75		
	Judicial Layout								
	13th A Min Rd		1	71.40	1.20		85.68		
	11th CrosscRd		1	27.05	0.51		13.80		
	10th CrosscRd		2	67.60	1.10		148.72		
	11th Main Rd		2	78.55	2.00		314.20		
	9th Cross Rd		2	49.00	1.30		127.40		
	Deduct		-1	0.47	0.30		-0.14		
	13th Main Rd		1	34.20	1.40		47.88		
	5th Main Rd		2	131.00	1.25		327.50		
	12th Main Rd		1	17.50	5.00		87.50		
	6th Cross Rd		1	201.50	1.50		302.25		
	4th Main Road		1	10.90	1.50		16.35		
	6th Cross Rd		1	179.20	1.70		304.64		
	4th Cross Rd		2	182.70	1.80		657.72		
	Total						3953.91		
					Upto 125%		3568.69	1219.32	4351372.04
					Above 125%		385.22	1219.32	469706.45
	Approved Amount	1219.32							
	Basic Rate			1087.00					
	AW-10%			108.70					
	Sub Total			1195.70					
	Above 1.975%			23.62					

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	Total			1219.32					
18	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work. In all kinds of soils upto 300 mm depth. (PWD SR 21-22 Vol I Pg no 8 Item No 1.12)								
		Cum							
	Asphalt Road For Cut Portion/Edge Correction								
	Judicial Layout								
	9th Cross Rd		2	175.20	0.90	0.40	126.14		
	10th Cross Rd		2	171.60	1.00	0.40	137.28		
	13th A Main Road		2	158.80	1.00	0.40	127.04		
	11th Cross Rd		2	118.00	1.00	0.40	94.40		
	12th Cross Rd		2	73.20	1.00	0.40	58.56		
	13th Cross Rd		2	68.30	1.00	0.40	54.64		
	12th Main Road		2	109.00	1.00	0.40	87.20		
			1	0.75	1.00	0.40	0.30		
	Matru Layout								
	LHS Side								
	5th Cross Rd		2	123.55	0.90	0.40	88.96		
	RHS Side								
	5th Cross Rd		2	35.30	0.90	0.40	25.42		
	3rd Cross Rd		2	26.30	0.95	0.40	20.07		
	Total						**820.00**	**72.91**	**59786.20**
	Approved Amount	72.91							
19	Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriageof mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401 (For Grading -V Material) (PWD SR 21-22 Vol III Pg no 19 Item No 4.1 A (v))								
		Cum							
	CC Road								
	CC Road Opposite to School Building		1	33.80	1.20	0.15	6.08		
	School Building Side		1	21.00	1.37	0.15	4.30		
	Cross Rd-1		1	64.50	2.13	0.15	20.61		
	Cross Rd-2		1	11.40	2.00	0.15	3.42		
	Deduct		-1	32.60	0.60	0.15	-2.93		
	Total						**31.48**	**2632.69**	**82878.79**
	Approved Amount	2632.69							
20	Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density MORTH Specification No. 406 (PWD SR 21-22 Vol III Pg no 24 Item No 4.27 (A))								
		Cum							
	Asphalt Road For Cut Portion/Edge Correction								
	Judicial Layout								
	9th Cross Rd		2	175.20	0.90	0.23	72.53		
	10th Cross Rd		2	171.60	1.00	0.23	78.94		
	13th A Main Road		2	158.80	1.00	0.23	73.05		
	11th Cross Rd		2	118.00	1.00	0.23	54.28		

o	scription of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	12th Cross Rd		2	73.20	1.00	0.23	33.67		
	13th Cross Rd		2	68.30	1.00	0.23	31.42		
	12th Main Road		2	109.00	1.00	0.23	50.14		
			1	0.30	1.00	0.23	0.07		
	Matru Layout								
	LHS Side								
	5th Cross Rd		2	123.55	0.90	0.23	51.15		
	RHS Side								
	5th Cross Rd		2	35.30	0.90	0.23	14.61		
	3rd Cross Rd		2	26.30	0.95	0.23	11.54		
	Total						**471.40**	**2685.41**	**1265908.16**
	Approved Amount	**2685.41**							
21	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means MORTH Specification No. 502 (PWD SR 21-22 Vol III Pg no 29 Item No 5.1 A (i))								
		Sqm							
	Asphalt Road For Cut Portion/Edge Correction								
	Judicial Layout								
	9th Cross Rd		2	175.20	0.90		315.36		
	10th Cross Rd		2	171.60	1.00		343.20		
	13th A Main Road		2	158.80	1.00		317.60		
	11th Cross Rd		2	118.00	1.00		236.00		
	12th Cross Rd		2	73.20	1.00		146.40		
	13th Cross Rd		2	68.30	1.00		136.60		
	12th Main Road		2	109.00	1.00		218.00		
	Matru Layout								
	LHS Side								
	5th Cross Rd		2	123.55	0.90		222.39		
	RHS Side								
	5th Cross Rd		2	35.30	0.90		63.54		
	3rd Cross Rd		2	26.30	0.95		50.18		
	For DBM								
	Judicial Layout								
	9th Cross Rd		1	175.20	6.93		1214.14		
	10th Cross Rd		1	171.60	7.15		1226.94		
	13th A Main Road		1	158.80	6.69		1062.37		
	11th Cross Rd		1	118.00	6.15		725.70		
	12th Cross Rd		1	73.20	5.38		393.82		
	13th Cross Rd		1	68.30	5.84		398.87		
	12th Main Road		1	109.00	5.44		592.96		
	Edge Correction								
	Matru Layout								
	LHS Side								
	5th Cross Rd		2	123.55	0.68		167.53		
	Total						**7831.61**	**49.36**	**386568.27**
	Approved Amount	**49.36**							
22	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom.(V-III, P.No-29,I No-5.3(i) of PWD SR 2021-22).								
		Sqm							
	Judicial Layout								
	9th Cross Rd		1	175.20	6.93		1214.14		
	10th Cross Rd		1	171.60	7.15		1226.94		
	13th A Main Road		1	158.80	6.69		1062.37		
	11th Cross Rd		1	118.00	6.15		725.70		
	12th Cross Rd		1	73.20	5.38		393.82		
	13th Cross Rd		1	68.30	5.84		398.87		
	12th Main Road		1	109.00	5.44		592.96		

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	Matru Layout								
	LHS Side								
	5th Cross Rd		1	123.55	6.22		768.48		
	RHS Side								
	5th Cross Rd		1	35.30	5.53		195.21		
	3rd Cross Rd		1	26.30	6.33		166.51		
	Total						**6744.99**	**13.46**	**90787.58**
	Approved Amount	**13.46**							
23	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects (PWD SR 21-22 Vol III Pg no 33 Item No 5.12 (C))								
		Cum							
	Judicial Layout								
	9th Cross Rd		1	175.20	6.93	0.05	60.71		
	10th Cross Rd		1	171.60	7.15	0.05	61.35		
	13th A Main Road		1	158.80	6.69	0.05	53.12		
	11th Cross Rd		1	118.00	6.15	0.05	36.29		
	12th Cross Rd		1	73.20	5.38	0.05	19.69		
	13th Cross Rd		1	68.30	5.84	0.05	19.94		
	12th Main Road		1	109.00	5.44	0.05	29.65		
	Edge Correction								
	Matru Layout								
	LHS Side								
	5th Cross Rd		2	123.55	1.00	0.05	12.36		
	RHS Side								
	5th Cross Rd		2	35.30	1.00	0.05	3.53		
	3rd Cross Rd		2	26.30	1.14	0.05	2.99		
	Profile Correction								
	LHS Side								
	5th Cross Rd		1	123.55	1.00	0.05	6.18		
	Total						**305.80**	**11092.74**	**3392159.89**
	Approved Amount	**11092.74**							
24	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 percent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade,level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects (PWD SR 21-22 Vol III Pg no 36 Item No 5.16)								
		Cum							
	Judicial Layout								
	9th Cross Rd		1	175.20	6.93	0.04	48.57		
	10th Cross Rd		1	171.60	7.15	0.04	49.08		
	13th A Main Road		1	158.80	6.69	0.04	42.49		
	11th Cross Rd		1	118.00	6.15	0.04	29.03		
	12th Cross Rd		1	73.20	5.38	0.04	15.75		
	13th Cross Rd		1	68.30	5.84	0.04	15.95		
	12th Main Road		1	109.00	5.44	0.04	23.72		
	Matru Layout								
	LHS Side								
	5th Cross Rd		1	123.55	6.22	0.04	30.74		
	RHS Side								
	5th Cross Rd		1	35.30	5.53	0.04	7.81		
	3rd Cross Rd		1	26.30	6.33	0.04	6.66		
	Total						**269.80**	**12934.61**	**3489753.28**
	Approved Amount	**12934.61**							

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
5	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes. MORTH Specification No. 803 (PWD SR 21-22 Vol III Pg no 57 Item No 8.15)								
		Sqm							
	Judicial Layout								
	9th Cross Rd								
	10th Cross Rd		2	175.20	0.10		35.04		
	13th A Main Road		2.5	171.60	0.10		42.90		
	11th Cross Rd		2.5	158.80	0.10		39.70		
	12th Cross Rd		2	118.00	0.10		23.60		
	13th Cross Rd		2	73.20	0.10		14.64		
	12th Main Road		2	68.30	0.10		13.66		
			2	109.00	0.10		21.80		
	Matru Layout								
	LHS Side								
	5th Cross Rd		2	123.55	0.10		24.71		
	RHS Side								
	5th Cross Rd		2	35.30	0.10		7.06		
	3rd Cross Rd		2	26.30	0.10		5.26		
	Total						**228.37**	**536.18**	**122447.43**
	Approved Amount	**536.18**							
26	**Cost of Haulage** Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km (PWD SR 2021-22 Vol-III Page No.3, Item No.1.4A)								
		t.Km							
	Qty from Item No-02			49.35	1.40		69.09		
	Qty from Item No-03			9886.52	1.28		12654.75		
							12723.84	**107.69**	**1370230.33**
	Approved Amount	**107.69**							
27	Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading, grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water,all materials,usage& all other appurtenaces required to complete the work. (PWD SR 2021-22 Vol I Pg no 7 Item No 1.8)								
	For Cobble Stones	**Sqm**							
	Shiva Mandhir Road RHS		1	373.04	1.00	0.30	111.91		
	Shiva Mandhir Road LHS		1	506.75	1.00	0.30	152.03		
	Judicial Layout								
	13th A Min Rd		1	71.40	1.20	0.30	25.70		
	11th CrosscRd		1	27.05	0.51	0.30	4.14		
	10th CrosscRd		2	67.60	1.10	0.30	44.62		
	11th Main Rd		2	78.55	2.00	0.30	94.26		
	9th Cross Rd		2	49.00	1.30	0.30	38.22		
	13th Main Rd		1	34.20	1.40	0.30	14.36		
	4th Main Road		1	86.85	2.00	0.30	52.11		
	5th Main Rd		2	131.00	1.25	0.30	98.25		
	12th Main Rd		1	17.50	5.00	0.30	26.25		
	6th Cross Rd		1	201.50	1.50	0.30	90.68		
	4th Main Road		1	10.90	1.50	0.30	4.91		
	6th Cross Rd		1	179.20	1.70	0.30	91.39		
	4th Cross Rd		2	182.70	1.80	0.30	197.32		
	Total						**1046.14**	**450.93**	**471734.85**
	Approved Amount	**450.93**							

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	Construction of **dry lean cement concrete** Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm,aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ m3 , optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 t vibratory roller, finishing and curing. MORTH Specification No. 601(PWD SR 2021-22 Vol -III P.No.43 - I.No.6.1)								
		Cum							
	CC Road								
	CC Road Opposite to School Building		1	33.80	1.20	0.15	6.08		
	School Building Side		1	21.00	1.37	0.15	4.30		
	Cross Rd-1		1	64.50	2.13	0.15	20.61		
	Cross Rd-2		1	11.40	2.00	0.15	3.42		
	Deduct		-1	32.60	0.60	0.15	-2.93		
	Concrete For Pipeline Cut Portion								
	Synvik Vihar Layout								
	7th Main Rd		2	213.00	1.00	0.10	42.60		
	B/w Connecting		1	6.00	0.60	0.10	0.36		
	6th Cross Rd		1	54.00	1.00	0.10	5.40		
	5th Cross Rd		1	30.00	1.00	0.10	3.00		
	Total						**82.84**	**4706.76**	**389911.06**
	Approved Amount	**4706.76**							
29	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant , curing of concrete slabs for 14- days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete MORTH Specification No.1501 . as per the directions of the Engineer-in-charge of the work. (PWD SR 2021-22 Vol -III Pg 138 item no 20.29)								
		Cum							
	CC Road								
	CC Road Opposite to School Building		1	33.80	1.20	0.15	6.08		
	School Building Side		1	21.00	1.37	0.15	4.30		
	Cross Rd-1		1	64.50	2.13	0.15	20.61		
	Cross Rd-2		1	11.40	2.00	0.15	3.42		
	Deduct		-1	32.60	0.60	0.15	-2.93		
	Concrete For Pipeline Cut Portion								
	Synvik Vihar Layout								
	7th Main Rd		2	213.00	1.00	0.15	63.90		
	B/w Connecting		1	6.00	0.60	0.15	0.54		
	6th Cross Rd		1	54.00	1.00	0.15	8.10		
	5th Cross Rd		1	30.00	1.00	0.15	4.50		

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	Total								
	Approved Amount	**7669.23**					**108.52**	**7669.23**	**832269.82**
30	Fabricating, providing and erecting in position of MS Hot Dip Galvanised Sq. Hallow Poles of 132 X 132 Heavy gauge of length 3000mm with MS. Hot dip Galvanised grill work as per approved design and drawing of chief architect. Using 12 X 75mm galvanised flat for alround frame and 20 X 20mm galvanised forged design with square for vertical at 150mm c/c as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flats, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading and unloading with cost and conveyance of all materials, labour, machinery andincidental charges for the successful completion of the work as per the direction of the Engineer-in-charge of the work. (Data Rate)								
		Sqm							
	Vidhanasowda Gril								
	Vidhana soudha Grill								
	1st Step								
	near Krishnam oil mill								
	West Side		1	76.00		2.30	174.80		
	North Side		1	12.00		2.30	27.60		
	-						**202.40**	**9324.59**	**1887297.02**
	Approved Amount	**9324.59**							
	Data rate	**9144.00**							
31	Providing, laying & fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. . (PWD SR 21-22 Vol II Pg no 65 Item No 9.40)								
	For Cobble Stones	**Cum**							
	Total						**0.00**	**1277.64**	**0.00**
	Approved Amount	**1277.64**							
32	Geophysical investigation at site for sinking borewells for supplying drinking water to the habitation either through the Hand Pump MWS or P.W.S.S, by vertical electrical sounding by adopting Venner orSchlumbergers's method, including reconnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instruments and accessories to work site, engaging technical personal and labour required etc. NOTE: 1) Additional rate on item 1&2 is allowed for drilling in over burden and fixing Casing pipes beyond 20 M (for fixing Casing pipes only) a) Above 20 M and upto 30 M - 15%, b) Above 30 M - 30% (Measurement of overburden is restricted to the depth of casing pipe fixed excluding initial depth of 20M and projection above ground level). 2) A sum of Rs. 100/- is to be deducted for Dry Borewell towards yield test **(P.151, I. 4,V-V) BWSSB.SR 2021-22**								
	Basic Rate	5141.0							
	Sub Total		4				**4.00**		
	Total	No's				-	**4.00**	**5242.53**	**20970.12**
	Approved Amount	**5242.53**							
33	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete)(P.151, I. 1,V-V) BWSSB.SR 2021-22								
	Basic Rate	290.00							
	0 to 50 m		4	50.00			**200.00**	**295.73**	**59146.00**
	Approved Amount	**295.73**							

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
34	**Basic Rate**	364.00							
	50 to 100 m		4	50.00			200.00	371.19	74238.00
	Approved Amount	371.19							
35	**Basic Rate**	387.00							
	100 to 150 m		4	50.00			200.00	394.64	78928.00
	Approved Amount	394.64							
36	**Basic Rate**	449.00							
	150 to 200 m		4	50.00			200.00	457.87	91574.00
	Approved Amount	457.87							
37	**Basic Rate**	527.00							
	200 to 250 m		4	50.00			200.00	537.41	107482.00
	Approved Amount	537.41							
38	**Basic Rate**	558.00							
	250 to 300 m		4	49.50			198.00	569.02	112665.96
	Approved Amount	569.02							
39	**Basic Rate**	620.00							
	300 to 350 m		4	37.50			150.00	632.25	94837.50
	Approved Amount	632.25							
40	**Basic Rate**	697.00							
	350 to 400 m		4	3.50			14.00	710.77	9950.78
	Approved Amount	710.77							
41	**Basic Rate**	930.00							
	400 to 450 m		4	0.00			0.00	948.37	0.00
	Approved Amount	948.37							
42	Supply of ISI mark 175mm nominal bore,plain and steel casing pipe grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest ammendments, electrical resistance welded steel tubes, material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5-7m both ends.threaded conforming to IS 554-1985 one end fixed with socket conforming to IS 4270-2001 and the other end with screwed pipes all shall be responsibaly free from defects. The tubes shall be responsible straight end should be with ISI marking weighing 25.10kg/m.prices include Collar-Medium duty (P.154, I.No 32,V-V) BWSSB.SR 2021-22								
	Basic Rate	1933							
		Rmtr	4	30.75			123.00		
							123.00	1971.18	242455.14
	Approved Amount	1971.18							
43	Supply and delivery of galvanized mild steel tubes of 6mtr standard length heavy duty (C Class) as per IS 1239 (Part-I) 1990 with latest amendments with ISI Mark (one end fitted with Heavy Duty collar and other end fitted with protective cover) 50 mm (P. No.162, I. No. 33.1 BWSSB SR 2021-22)								
	Basic rate	3050.00							
	Area Weightage 10%	305.00							
	Total	3355.00							
		Each	162				162.00		
							162.00	3421.26	554244.12
	Approved Amount	3421.26							
44	PVC pipe - OD 250mm and 6 Kg/sqcm P.34, Sl.No.1175,BWSSB.SR 2021-22								
		1100.00							
		Rmtr							
							0.00	1121.73	0.00
	Approved Amount	1121.73							

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
5	Supplying and drawing 3 core flat PVC sheathed submersiblepump cable manufactured with electrolytic grade copper withflexible copper with low resistance conductor confirming to13:8130-1984 and virgin grade PVC insulation and powdercoating extruded PVC sheathed suitable for working voltageupto 1100 V as per IS-694:2010. 3C x 6 mm2 **P. No. 4/ I No. 2.6.4 KPWD Electrical SR 2021-22**								
		242.00							
		Mtr	4	501.50					
							2006.00		
	Approved Amount	**246.78**					**2006.00**	**246.78**	**495040.68**
46	Providing,supplying to work site, Submersible Pump Set of 150mm dia suitable for bore well and confirming to IS 8034-2000;3Phase, SS Bowl & Impeller with Low volt Motor as per specifications,as per necessary ammendments and instructions of engineer incharge of work. 15.00 HP - 120 LPM @ 266 m = 23 STG Outlet Dia - 2.00"(P. No.161, I. No. 18.6, BWSSB SR 2021-22)								
		69258.00							
		Nos	4				4.00		
	Approved Amount	**70625.85**					**4.00**	**70625.85**	**282503.40**
47	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia. (P. No.164, I. No. 45, BWSSB SR 2021-22)								
		3750.00							
		job	4				4.00		
	Approved Amount	**3824.06**					**4.00**	**3824.06**	**15296.24**
48	Supply and fixing polished wood board made of not lessthan 15mm thick plank on both sides of not more than 2pieces and fixing the same to the wall using tapered invertedwooden plugs screws. 20" x 20" x 2.5" (P No. 10 No.5.6.6,Part-I Electrical SR 2021-22)								
		315.00							
		Each	4				4.00		
	Approved Amount	**321.22**					**4.00**	**321.22**	**1284.88**
49	Supplying of 1.1 KV LT UG cable having aluminium condutor PVC insulated shethed, EXTREDED INNER SHEATHRD galvnised steel,stirp (2CX 10Sqm.mm wire armoured) confirming IS 3975;1990(no.of strip indicated i GTP) AND extruded PVC outer sheathing armoured cable IS 1554 part 1;1998 and confirming to GTP of group.A.4 Core 16Sqmm.P No.40/ I No.6.4.4 (4 core 16 Sqmm) KPWD Electrical SR 2019-20								
		Mtr	4	11.75			47.00		
	Approved Amount	**152.96**					**47.00**	**152.96**	**7189.12**
50	Labour charges for laying of 1.1 K.V class UG cable, in existing trench GI Pipe / stoneware pipe /on wall/on poles as required In existing trencg/duct 6 Sqmm to 16 Sqmm)P No. 41 / I No. 6.5.1 KPWD Electrical SR 2019-20								
		Mtr	4	30.75			123.00		
	Approved Amount	**12.11**					**123.00**	**12.11**	**1489.53**
51	Supplying & fixing of Porcelain fuse channel with cut out onexisting wooden/panel using necessary nuts, bolts andwashers. 63 A (P No. 10 No.5.6.6,Part-I Electrical SR 2021-22)								
		372.00							
		Each	4				4.00		
	Approved Amount	**379.35**					**4.00**	**379.35**	**1517.40**
52	Supplying & fixing miniature circuit breakers on existingMCB distribution boards using necessary fixing materialsand 'C' Type curve, indicator ON/OFF, energy cross-3 withShort circuit breaking capacity of 10K and complete wiring asrequired confirming to IEC 60898. 50-63 A TPN (P No. 13 I.No.5.17.9,Part-I Electrical SR 2021-22)								
		2399.00							
		Each	4				4.00		
							4.00	**2446.38**	**9785.52**

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	Approved Amount	2446.38							
53	**Earth work excavation by manual means** for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 14 m3) (V-I.No 1.4,Page No-5 PWD SR 2021-22)								
	Basic Rate	186.00							
	Loading And Unloading	118.00							
	Sub Total	304.00							
	Area Weightage 10%	30.40							
	Total Rate	**334.40**							
	Removal Of Debris								
	Ro Plant Surrounding								
	Ward No-01								
	R.O Plant In Police Quaters Bagalur Yelahanka								
			4	5.00	2.00	0.40	16.00		
			5	4.00	3.00	0.50	30.00		
			2	4.90	1.00	0.50	4.90		
			3	8.00	1.50	0.40	14.40		
			2	7.00	2.00	0.50	14.00		
			3	8.00	3.00	0.50	36.00		
	Ward No-02								
	R.O Plant In Inside CRPF Yelahanka								
			3	4.00	2.00	0.45	10.80		
			3	4.00	3.00	0.45	16.20		
			4	4.00	2.50	0.40	16.00		
			2	3.00	2.00	0.50	6.00		
			3	5.00	3.00	0.50	22.50		
			3	3.00	1.50	0.40	5.40		
			2	4.90	1.00	0.50	4.90		
			3	4.00	1.50	0.40	7.20		
	R.O Plant In Govt. PU College Yelahanka								
			4	5.00	3.00	0.50	30.00		
			2	3.00	2.00	0.50	6.00		
			3	5.00	3.00	0.50	22.50		
			3	3.00	1.50	0.40	5.40		
			3	5.00	3.00	0.40	18.00		
			3	5.00	3.00	0.50	22.50		
			2	3.00	2.00	0.50	6.00		
							314.70	**341.00**	**107312.70**
	Approved Amount	341.00							
54	Supplying and filling in plinth with sand under floors, foundation of Bridges including watering, ramming, consolidating and dressing complete. (P.No-7,I No-1.11,V-I of PWD SR 2021-22)								
							0.00	**2442.00**	**0.00**
	Approved Amount	2442.00							
55	Supplying PVC ringtite pipes conforming to IS 4985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing) etc.63mm outer dia, 6kg/sqcm & class 3 for:(P. No.134 I No 1.4 BWSSB SR 2021-22)								

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
		153.00							
		Mtr	4	134.50					
							538.00		
	Approved Amount	**156.02**					**538.00**	**156.02**	**83938.76**
56	Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications P. No. 7, I No. 1.10,V-I PWD SR 2021-22								
	Basic rate	122.00							
	Area Weightage 10%	12.2							
	Total	**134.20**							
		Cum	4	134.50	1.02	0.35	192.92		
							192.92	**136.85**	**26401.10**
	Approved Amount	**136.85**							
57	Supplying fully automatic star-delta starter unit push buttontype with suitable wires, 3 contactors, one adjustablethermal timer mounted on a common base plate held in steel enclosure for use on 400/440 V 3 phase and wired after fixingto the existing wooden board for motor. Above 12.5 HP upto 25 HP (P No. 10 I.No.5.2.2,Part-I Electrical SR 2021-22)								
		8640.00							
	-	Nos	4				4.00		
							4.00	**8810.64**	**35242.56**
	Approved Amount	**8810.64**							
58	BESCOM Deposit Charges								
	Total						**0.00**	**14276.50**	**0.00**
	Approved Amount	**14276.50**							
	RO Plant								
59	Earth work excavation for pipelines/cables by Manual means upto 600 mm trench width, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m. Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering and lift upto 1.5 m including cost of labour, tools, usage& other appurtenances required to complete the work. (SR, 2021-22 Vol-1, Sl No 1.6, , P								
	For Pipeline	Cum	4	134.50	1.02	0.63	347.00		
						Cum	**347.00**	**527.21**	**182941.87**
	Approved Amount	**527.21**							
60	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately -Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates -Ground Floor (SR, 2021-22 Vol-1, Sl No 2.1.4 , P No: 15)								
	School building								
	Plinth Beam								
	Long Wall		2	12.90	0.30	0.30	2.32		
	Long Wall		1	15.30	0.30	0.30	1.38		
	Staircase Back wall		1	2.40	0.30	0.30	0.22		
	Short Wall		3	7.00	0.30	0.30	1.89		
	--do--		2	5.30	0.30	0.30	0.95		
	--do-- Staircase Side wall		1	5.40	0.30	0.30	0.49		
						Cum	**7.25**	**6647.34**	**48159.98**
	Approved Amount	**6647.34**							

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
61	Providing and laying in Reinforced cement concrete for all Basement & surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates For Footing & Plinth Beam (SR, 2021-22 Vol-1, SI No 2.3.2 , P No: 16)								
	School building								
	Plinth Beam								
	Long Wall								
	Long Wall		2	12.90	0.30	0.30	2.32		
	Staircase Back wall		1	15.30	0.30	0.30	1.38		
	Short Wall		1	2.40	0.30	0.30	0.22		
	--do--		3	7.00	0.30	0.30	1.89		
	--do-- Staircase Side wall		2	5.30	0.30	0.30	0.95		
			1	5.40	0.30	0.30	0.49		
						Cum	7.25	7617.68	55190.09
	Approved Amount	7617.68							
62	Providing and laying in Reinforced cement concrete for all Basement & surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates For								
						Cum	0.00	7758.75	0.00
	Approved Amount	7758.75							
	Providing and laying in Reinforced cement concrete for all Basement & surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates For Lintel, Roof Beam and Slab (SR, 2021-22 Vol-1, SI No 2.3.2 , P No: 16)								
	Ward No-01								
	R.O Plant In Police Quaters Bagalur Yelahanka								
	For Coloumn Up to Lintel		4	0.30	0.30	2.10	0.76		
	Lintel Beam		2	6.30	0.15	0.23	0.43		
			2	4.90	0.15	0.23	0.34		
	For Coloumn Above Lintel		4	0.30	0.30	0.67	0.24		
	Roof Beam		2	6.30	0.15	0.30	0.57		
			2	4.90	0.15	0.30	0.44		
	Slab		1	6.30	5.80	0.12	4.38		
	For Coloumn Above Slab		4	0.30	0.30	0.45	0.16		
63	**Ward No-02**								
	R.O Plant In Inside CRPF Yelahanka								
	For Coloumn Up to Lintel		4	0.30	0.30	2.10	0.76		
	Lintel Beam		2	6.30	0.15	0.23	0.43		
			2	4.45	0.15	0.23	0.31		
	For Coloumn Above Lintel		4	0.30	0.30	0.67	0.24		
	Roof Beam		2	6.30	0.15	0.30	0.57		
			2	4.45	0.15	0.30	0.40		

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	Slab		1	6.30	5.35	0.14	4.72		
	For Coloumn Above Slab		4	0.30	0.30	0.45	0.16		
	R.O Plant In Govt. PU College Yelahanka								
	For Coloumn Up to Lintel		4	0.30	0.30	2.10	0.76		
	Lintel Beam		2	6.30	0.15	0.23	0.43	12.6	
			2	4.90	0.15	0.23	0.34	9.8	0.92
	For Coloumn Above Lintel		4	0.30	0.30	0.67	0.24		
	Roof Beam		2	6.30	0.15	0.30	0.57		
			2	4.90	0.15	0.30	0.44		
	Slab		1	6.30	5.80	0.13	4.75		
	For Coloumn Above Slab		4	0.30	0.30	0.45	0.16		
						Cum	**22.60**	**8464.09**	**191307.00**
	Approved Amount	**8464.09**							
64	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. MORTH Specification NO.1600&2200 (PWD SR 2021-22 Vol -III Pg 99 item no 13.1)								
			Nos	**Qty**	**Kg/cum**	**Kgs**			
	For footings @ 80 Kg/ Cum	3	1	4.05	80	972			
	For Columns @ 80 Kg/ Cum	3	1	1.54	80	369.6			
	For Beams @ 80 Kg/ Cum	3	1	1.80	80	432			
	For slabs @ 90 Kg/ Cum	3	1	3.80	90	1026			
	For Lintel @ 60 Kg/ Cum	3	1	0.58	60	103.5			
	For Drain @ 60 Kg/ Cum	1	1	34.27	60	2056.2			
						4959.3			
						Ton	**4.96**	**115906.72**	**574816.20**
	Approved Amount	**115906.72**							
65	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications (SR, 2021-22 Vol-2, Sl No 6.32 , P								
						Sqm	**0.00**	**1348.31**	**0.00**
	Approved Amount	**1348.31**							
66	Providing 12 mm cement plaster with Cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge - Ground Floor (SR, 2021-22 Vol-2, Sl No 8.6.1 , P No:42)								
	Inside Plastering								
	Ward No-01								
	R.O Plant In Police Quaters Bagalur Yelahanka								
	Wall		2	5.70		3.30	37.62		
			2	4.30		3.30	28.38		
	Deduction								
	D		-1	1.85		2.10	-3.89		
	W		-1	1.20		1.20	-1.44		
	W1		-1	0.90		0.60	-0.54		
	W2		-2	0.60		0.60	-0.72		
	Ward No-02								
	R.O Plant In Inside CRPF Yelahanka								
	Wall		2	5.70		3.30	37.62		
			2	4.15		3.30	27.39		
	Deduction								
	D		-1	1.85		2.10	-3.89		
	W		-1	1.20		1.20	-1.44		
	W1		-3	0.90		0.60	-1.62		

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	R.O Plant In Govt. PU College Yelahanka								
	Wall								
			2	5.70		3.30	37.62		
			2	4.30		3.30	28.38		
	Deduction								
	D								
	W		-1	1.85		2.10	-3.89		
	W1		-1	1.20		1.20	-1.44		
	W2		-1	0.90		0.60	-0.54		
			-2	0.60		0.60	-0.72		
						Sqm	176.90	316.33	55957.00
	Approved Amount	316.33							
	Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster with cement mortar 1:6 (1 cement : 6 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.(SR, 2021-22 Vol-2, Sl No 8.8 , P No:42)								
	External Plastering								
	Ward No-01								
	R.O Plant In Police Quaters Bagalur Yelahanka								
	Wall up to Lintel		2	6.30		3.90	49.14		
			2	4.90		3.90	38.22		
	Parapet on Projection Slab		2	4.90		1.00	9.80		
	Projection Slab Ceiling		1	6.30		0.90	5.67		
	Deduction								
	D		-1	1.85		2.10	-3.89		
	W		-1	1.20		1.20	-1.44		
	W1		-1	0.90		0.60	-0.54		
	W2		-2	0.60		0.60	-0.72		
67	**Ward No-02**								
	R.O Plant In Inside CRPF Yelahanka								
	Wall up to Lintel		2	6.30		3.90	49.14		
			2	4.45		3.90	34.71		
	Parapet on Projection Slab		2	5.35		1.00	10.70		
	Projection Slab Ceiling		1	6.30		0.90	5.67		
	Deduction								
	D		-1	1.85		2.10	-3.89		
	W		-1	1.20		1.20	-1.44		
	W1		-3	0.90		0.60	-1.62		
	R.O Plant In Govt. PU College Yelahanka								
	Wall up to Lintel		2	6.30		3.90	49.14		
			2	4.90		3.90	38.22		
	Parapet on Projection Slab		2	4.90		1.00	9.80		
	Projection Slab Ceiling		1	6.30		0.90	5.67		
	Deduction								
	D		-1	1.85		2.10	-3.89		
	W		-1	1.20		1.20	-1.44		
	W1		-1	0.90		0.60	-0.54		
	W2		-2	0.60		0.60	-0.72		
						Sqm	285.77	351.10	100332.09
	Approved Amount	351.10							

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including grouting the joint with white cement & matching pigments etc. complete.Size of Tile 500x500 mm.(SR, 2021-22 Vol-2, Sl No 9.17.1 , P No:61)								
	Ward No-01								
68	**R.O Plant In Police Quaters Bagalur Yelahanka**								
	Flooring		1	6.00	4.60		27.60		
	Ward No-02								
	R.O Plant In Inside CRPF Yelahanka								
	Flooring		1	6.00	4.15		24.90		
	R.O Plant In Govt. PU College Yelahanka								
	Flooring		1	3.28	4.60		15.09		
						Sqm	67.57	1310.58	88555.89
	Approved Amount	1310.58							
	Providing skirting, dadooing, rises of steps with colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. (SR, 2021-22 Vol-2, Sl No 9.39 , P No:65)								
	Ward No-01								
	R.O Plant In Police Quaters Bagalur Yelahanka								
	Flooring		2	6.00		0.10	1.20		
			2	4.60		0.10	0.92		
	deduct		-1	1.80		0.10	-0.18		
69	**Ward No-02**								
	R.O Plant In Inside CRPF Yelahanka								
	Flooring		2	6.00		0.10	1.20		
			2	4.15		0.10	0.83		
	deduct		-1	1.80		0.10	-0.18		
	R.O Plant In Govt. PU College Yelahanka								
	Flooring		2	6.00		0.10	1.20		
			2	4.60		0.10	0.92		
	deduct		-1	1.80		0.10	-0.18		
						Sqm	5.73	2327.58	13337.03
	Approved Amount	2327.58							
	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. 80x1.25 mm M.S. laths with 1.25 mm thick top cover including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge. (SR, 2021-22 Vol-2, Sl No 11.61 , P No:76)								
70	**Ward No-01**								
	R.O Plant In Police Quaters Bagalur Yelahanka								
	D		1	1.80		2.10	3.78		
	Ward No-02								

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	R.O Plant In Inside CRPF Yelahanka								
	D		1	1.80		2.10	3.78		
	R.O Plant In Govt. PU College Yelahanka								
	D		1	1.80		2.10	3.78		
						Sqm	11.34	2815.53	31928.11
	Approved Amount	2815.53							
	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :New work (two coats) over and including water thinnable priming coat with cement primer after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (SR, 2021-22 Vol-2, Sl No 8.25 , P No:45)								
	Ward No-01								
	R.O Plant In Police Quaters Bagalur Yelahanka								
	Ceiling		1	6.00	4.60		27.60		
	Wall		2	5.70		3.30	37.62		
			2	4.30		3.30	28.38		
	Deduction								
	D		-1	1.85		2.10	-3.89		
	W		-1	1.20		1.20	-1.44		
	W1		-1	0.90		0.60	-0.54		
	W2		-2	0.60		0.60	-0.72		
	Ward No-02								
71	**R.O Plant In Inside CRPF Yelahanka**								
	Ceiling		1	6.00	4.60		27.60		
	Wall		2	5.70		3.30	37.62		
			2	4.30		3.30	28.38		
	Deduction								
	D		-1	1.85		2.10	-3.89		
	W		-1	1.20		1.20	-1.44		
	W1		-1	0.90		0.60	-0.54		
	W2		-2	0.60		0.60	-0.72		
	R.O Plant In Govt. PU College Yelahanka								
	Ceiling		1	6.00	4.60		27.60		
	Wall		2	5.70		3.30	37.62		
			2	4.30		3.30	28.38		
	Deduction								
	D		-1	1.85		2.10	-3.89		
	W		-1	1.20		1.20	-1.44		
	W1		-1	0.90		0.60	-0.54		
	W2		-2	0.60		0.60	-0.72		
						Sqm	261.05	117.78	30746.00
	Approved Amount	117.78							
	Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two coat applied @ 1.67 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (SR, 2018-19, I No. 15.53.1 , P No:120)								
	Ward No-01								
	R.O Plant In Police Quaters Bagalur Yelahanka								
	Wall		2	6.30		3.90	49.14		

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
			2	4.90		3.90	38.22		
	Parapet on Projection Slab		2	4.90		1.00	9.80		
	Projection Slab Ceiling		1	6.30		0.90	5.67		
	Deduction								
	D		-1	1.85		2.10	-3.89		
	W		-1	1.20		1.20	-1.44		
	W1		-1	0.90		0.60	-0.54		
	W2		-2	0.60		0.60	-0.72		
	Ward No-02								
72	**R.O Plant In Inside CRPF Yelahanka**								
	Wall								
			2	6.30		3.90	49.14		
			2	4.15		3.90	32.37		
	Parapet on Projection Slab		2	5.35		1.00	10.70		
	Projection Slab Ceiling		1	6.30		0.90	5.67		
	Deduction								
	D		-1	1.85		2.10	-3.89		
	W		-1	1.20		1.20	-1.44		
	W1		-3	0.90		0.60	-1.62		
	R.O Plant In Govt. PU College Yelahanka								
	Wall		2	6.30		3.90	49.14		
			2	4.90		3.90	38.22		
	Parapet on Projection Slab		2	4.90		1.00	9.80		
	Projection Slab Ceiling		1	6.30		0.90	5.67		
	Deduction								
	D		-1	1.85		2.10	-3.89		
	W		-1	1.20		1.20	-1.44		
	W1		-1	0.90		0.60	-0.54		
	W2		-2	0.60		0.60	-0.72		
						Sqm	**283.43**	**98.02**	**27781.00**
	Approved Amount	**98.02**							
73	KSRB 7.9: Providing and fixing **M.S** Grill work for windows and ventilators using M.S flats or M.S fsquare rods or combination of M.S flat and square rods as per approved deisgn, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materail, fixtures, labour and HOM of machinery complete as per specification. Specification No:KBS 7.12 **(P.No:34 Items No:7.9 of PWD SR 2018-19)**								
						kgs	**0.00**	**104.63**	**0.00**
	Approved Amount	**104.63**							
74	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 32mm nominal OD pipes **PWD SR 2018-19 It No.13.77 Pg. No.96**								
		3	1	36.00			108.00		
						Rmt	**108.00**	**142.07**	**15343.56**
	Approved Amount	**142.07**							
	DESIGN, SUPPLY, INSTALLATION, COMMISIONNING OF RO PLANT 2000LTR PER HOUR CAPACITY WITH SOFTNER(1NOS)								
	RO PLANT-2000LPH WITH COIN BOOTH								

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
75	1.Raw water pump Qty officer-one number type Mon Block centrifugal operation flow rate -4M3hr operation pressure.4.0kg/cm2 type of drive- phase squirred cage induction motor make- CRI/TEXmo 2.Multigrated sand filter (MSF) Qty offere-one number Type -Top and bottom flow size-15"x65" operation floe rate-4M3/hr Operation pressure-4.0kg/cm2 Type of Modia-Dual-Sand and anthracite Supporting media-Gravels and Silex MOC of shell-FRP Make PARTNER/Aventura 3.Activated Carbon filter (ACF)Qty Offere -one Number Type Top and bottom flow size 16"x65" operation flow rate-4M3/hr operation pressure-3.5kg/cm2 type of Media Activated carbon flakes Type of resin-150kgs MOC of shell-FRP make - PARTNER/Aventura JODINE VALUE-500value 4.Micro Cartridge Filter Nos 5.Antiscalent Dosing UntilQty Offere -one number 6.Multistage Centrifugal pumo high pressure pump Qty Offe-one nos Type-Multistage Centrifugal Operation flow rate-4M3/hr operation pressure-10 to 15kg/cm2 material of construction -SS 316 Make pump-Cri/Kirloskar/unique Type of drive motor-three phase,squired cage indicator KWRPM-2.75/2000(Approx) Make of motor crl/kirloskar 7.R.O Membrane skid consists of (SS 304) a.R.O Membrane b.pressure tubes number of streams offered one type of membrane-spiral wound TFC brackish water membrane-imported make HYDRONTICS/OE marlin 8040 operating pressure -10 to 15kg/cm2 material of construction polumade thin film composite material of housing-FRP 8.Mineral Dosing system (product water storage tank) Qty Required no-s material of construction-SS 304 Capacity-1000Ltrs 9.Micron Cartridge module 2/1/0.5 Micron nos of cartridges-two nos type disposable Cartridge operating flow rate-3.00kg/cm2 microne Rating-2/1/0.5Micron MOC OF HOUSING Fiber MOC of cartridge-polypropylene 10.System control pane 11.RO Reject Line 12.1000 ltrs SS storage tank 304 food grade13.coin both with optional coin 14.Control panel consist og 15.a.Flow Meters 16.B.Pressure monitors 17.c.Online conductivity/ph meter 18.d.Sampling tap 19.e. Operation switches 20.Basis of design 21.Raw water characteristics 22 PH -6 to 8 23 Total suspended solids-nil 24 Total dissolved solids-								
			3				3.00		
						Each	3.00	10,70,737.50	32,12,212.50
	Approved Amount	**1070737.50**							
	ELECTRICAL WORKS								
	Open Conduit System								
76	supplying heavy gauge pvc conduit pipe... dia confirming to IS 2509 with suitable size benda. Junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall stone structure or rawl plugs in case of brick walls and cement plastering dameged portion using havey gauge saddles at an intereval of 70mm using NF screws **(ELE SR 2019-20 Page-2, Item-1.1.2)**								
	25mm dia 2mm thick Concealed Conduit System	3	28			**mtr**	**84**	**66.28**	**5567.52**
	Approved Amount	**66.28**							
77	Suppling... mm dia 2mm/2.5mm thick heavy gauge PVC conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc..., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures. run with 18SWG GI fish wire wherever necessary.**(ELE SR 2019-20 Page-2, Item-1.2.2)**								
	25mm dia 2mm thick	3	28			**mtr**	**84.00**	**54.05**	**4540.20**
	Approved Amount	**54.05**							
78	Groove cutting in the wall suppling.. Dia 2mm/2.5mm thick heavy gauge PVC Conduit pipe with bends, metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out conduit wherever necessary.**(ELE SR 2019-20 Page-2, Item-1.3.2)**								
	25mm dia 2mm thick	3	28			**mtr**	**84.00**	**55.07**	**4625.88**
	Approved Amount	**55.07**							
79	Supplying and fixing sheet metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of approved make etc.,.**(ELE SR 2019-20 Page-2, Item-1.4.5)**								
	200x90x65mm	3	3			**Each**	**9.00**	**113.19**	**1018.71**
	Approved Amount	**113.19**							

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	supplying and fixing PVC/ Metal conduit accessories. (3/5) **(ELE SR 2019-20 Page-3, Item-1.5.3)**								
	a)32mm deep junction box	3	1						
	Approved Amount	**61.19**				**Each**	**3.00**	**61.19**	**183.57**
81	Suppling and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complet. **(ELE SR 2019-20 Page-3, Item-1.6.1)**								
	12"x12"x3"(330x300x76mm	3	5						
	Approved Amount	**104.01**				**mtr**	**15.00**	**104.01**	**1560.15**
82	Suppling and wiring adopting loop system in existing PVC Conduit/ casting capping using copper PVC insulated multi strand 2x1.5sqmm copper wire with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box. The outher end of the wires shall be terminated with sufficient loose lenght in a wood / PVC round block. compelete for each outlet. **(ELE SR 2019-20 Page-5, Item-2.1.2)**								
	Medium point above 3Mtr up to 6 mtr from tapping point to out let via switch					**Each**	**18**	**280.43**	**5047.74**
	Approved Amount	**280.43**							
83	Suppling and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos, of machines screws, bolts nuts etc., complete on the existing metal/PVC box,**ELE SR 2019-20 Page-9, Item-3.5.3)**								
	Group-A								
	Moudule		3	5		**No**	**15.00**	**178.46**	**2676.90**
	Approved Amount	**178.46**							
84	Supplying and fixing of 32 Amps security and energy saving DP switch with key tag suitable to operate on 230 volts, 50Hz AC supply and completely wired on existing box. **ELE SR 2019-20 Page-10, Item-3.7)**								
	Group 'A'		3	2		**Each**	**6.00**	**693.43**	**4160.58**
	Approved Amount	**693.43**							
85	Wiring for lighting/power circuit using one of pvc insulated 1100v grade, multistrand copper conductor singal core cable in open or concealed system of wiring.**ELE SR 2019-20 Page-5, Item-2.3.2)**								
	1. Group-A								
	a)1.5sqmm		3	15		**mtr**	**45**	**20.90**	**940.50**
	Approved Amount	**20.90**							
86	Supplying and fixing of PVC casing and capping on the wall or ceilng using necessary materials like bends, screws at an interval of 300mm... Etc as required. **ELE SR 2019-20 Page-3, Item-1.8.1)**								
	20mm					**Each**	**0.00**	**22.43**	**0.00**
	Approved Amount	**22.43**							
87	Supplying PVC/GI Flexible conduit pipe.. Mm dia fixing on surface over inverted wooden pugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300mm using NF screws and either end of the pie terminated completely. **ELE SR 2019-20 Page-3, Item-1.9.1)**								
	20mm		3	16		**Each**	**48.00**	**22.43**	**1076.64**
	Approved Amount	**22.43**							
88	Extra for supplying 4mm thick white plastic plate and covering for junction boxes of size 110mm conduit using necessary machine screws.. **ELE SR 2019-20 Page-10, Item-3.10.2)**								
	110mm		3	16		**Each**	**48.00**	**11.22**	**538.56**
	Approved Amount	**11.22**							
89	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 20mm nominal OD pipes. **(P.No.99, I.No. 13.86.2 of PWD SR 2018-19)**								

Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	Rmt							
Approved Amount	258.81					0	258.81	0.00
School Building								
Earth work excavation for Foundation by mechanical means for all works & depth upto 1.5 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work.(Page no-10,**Vol**-1, Item No-1.17.1 of PWD SR 2021-22.).								
	Cum							
School Building								
Site Clearence		1	15	8.00	0.10	12.00		
For Footings								
C1		3	2.25	2.25	1.80	27.34		
C2		7	2	2.00	1.80	50.40		
C3		7	1.5	1.50	1.80	28.35		
For SSM								
Long Wall		2	12.9	0.60	0.90	13.93		
Long Wall		1	15.3	0.60	0.90	8.26		
		2	1.7	0.45	0.45	0.69		
Staircase Back wall		1	2.4	0.60	0.90	1.30		
Short Wall		3	7	0.60	0.90	11.34		
		2	5.32	0.60	0.90	5.75		
Staircase Side wall		1	4.35	0.60	0.90	2.35		
Deduct Coloumn		-10	0.3	0.15	0.90	-0.41		
		-7	0.45	0.15	0.90	-0.43		
For Staircase Footing		1	1.1	0.60	0.90	0.59		
For Sump Tank		1	3.76	3.16	2.00	23.76		
Ward No-01								
R.O Plant In Police Quaters Bagalur Yelahanka								
For Footings		4	1.80	1.80	1.50	19.44		
For SSM		2	6.30	0.75	0.75	7.09		
		2	4.90	0.75	0.75	5.51		
Ward No-02								
R.O Plant In Inside CRPF Yelahanka								
For Footings		4	1.80	1.80	1.50	19.44		
For SSM		2	6.30	0.75	0.75	7.09		
		2	4.45	0.75	0.75	5.01		
R.O Plant In Govt. PU College Yelahanka								
For Footings		4	1.80	1.80	1.50	19.44		
For SSM		2	6.30	0.75	0.75	7.09		
		2	4.90	0.75	0.75	5.51		
					Total qty	280.84		
					Upto 125%	232.30	217.61	50551.14
					Above 125%	48.54	217.61	10562.74
Approved Amount	217.61							
Basic Rate			194.00					
AW-10%			19.40					
Sub Total			213.40					
Above 1.975%			4.21					
Total			217.61					

90

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) (Page no-9,Vol-2, Item No-5.4 of PWD SR 2021-22.).								
		Cum							
1									
	Approved Amount	6081.99				Total qty	0.00	6081.99	0.00
	Basic Rate			5422.00					
	AW-10%			542.20					
	Total			5964.20					
	Providing and laying in position Reinforced cement concrete **M25** Design Mix Using 20 mm and down size graded crushed coarse aggregates for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (Page no-15, Item No-2.2.2.1 of								
		Cum							
	School Building								
	For Footings								
92	C1		3	1.95	1.95	0.45	5.13		
	C2		7	1.70	1.70	0.35	7.08		
	C3		7	1.20	1.20	0.35	3.53		
	Column up to Plinth Beam lvl		10	0.30	0.45	0.80	1.08		
			7	0.15	0.45	0.80	0.38		
	Sump								
	For Sump Tank Bottom Slab		1	3.76	3.16	0.15	1.78		
	for Walls		2	3.46	0.23	1.80	2.86		
	--do--		2	2.40	0.23	1.80	1.99		
	For Sump Tank Top Slab		1	3.76	3.16	0.20	2.38		
						Total qty	26.21	7402.55	194024.65
	Approved Amount	7402.55							
	Providing and laying in **position plain cement concrete Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates** for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (Page no-15,Vol-1, Item No-2.1.4 of PWD SR 2021-22.).								
		Cum							
	School building Ground Floor								
	For Flooring Varandah		1	14.77	1.60	0.15	3.54		
	Class Room		1	7.2	5.30	0.149	5.69		
	Ward No-01								
	R.O Plant In Police Quaters Bagalur Yelahanka								
	For Footings		4	1.80	1.80	0.15	1.94		
	For SSM		2	6.30	0.75	0.15	1.42		
			2	4.90	0.75	0.15	1.10		
	Ward No-02								
93	**R.O Plant In Inside CRPF Yelahanka**								
	For Footings		4	1.80	1.80	0.15	1.94		
	For SSM		2	6.30	0.75	0.15	1.42		
			2	4.45	0.75	0.15	1.00		
	R.O Plant In Govt. PU College Yelahanka								
	For Footings		4	1.80	1.80	0.15	1.94		
	For SSM		2	6.30	0.75	0.15	1.42		
			2	4.90	0.75	0.15	1.10		
						Total qty	22.52		

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
					Upto 125%		11.55	6647.34	76751.85
	Approved Amount	6647.34			Above 125%		10.98	6647.34	72955.49
	Basic Rate			5926.00					
	AW-10%			592.60					
	Sub Total			6518.60					
	Above 1.975%			128.74					
	Total			6647.34					
	Providing and laying in position **Reinforced cement concrete for all Super structures of building** , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) (Page no-1,Vol-17, Item No-2.5.2 of PWD SR 2021-22).-Ground Floor Columns								
		Cum							
	School Building								
94	Column Above Plinth Beam lvl		10	0.3	0.45	2.85	3.85		
			7	0.15	0.45	2.85	1.35		
	Deduct Lintel height		-10	0.30	0.45	0.48	-0.65		
			-7	0.15	0.45	0.48	-0.23		
						Total qty	4.32	8010.46	34599.78
	Approved Amount	8010.46							
	Basic Rate			6492.00					
	Add Shuttering 10%			649.20					
	AW-10%			714.12					
	Total			7855.32					
	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) (Page no-17,Vol-1, Item No-2.5.2 of PWD SR 2021-22).-Ground Floor Beams and Slab								
		Cum							
	School building Ground Floor								
	Roof Beam								
	Longer span Long Wall		2	12.90	0.30	0.30	2.32		
	Long Wall		1	15.30	0.30	0.30	1.38		
	Staircase Back wall		1	2.40	0.30	0.30	0.22		
	Shorter Span Short Wall		5	7.45	0.30	0.30	3.35		
95	Staircase Side beam		1	5.40	0.30	0.15	0.24		
	RCC Roof Slab		1	12.90	7.60	0.15	14.71		
	Staircase								
	Waist slab		1	3.30	1.10	0.15	0.54		
			1	3.60	1.10	0.15	0.59		
			1 ➡	2.40	1.20	0.15	0.43		
	Rise & treads		0.5X18	1.10	0.30	0.10	0.30		
	Lintel								
	Longer span Long Wall		2	12.90	0.20	0.20	1.03		
	Long Wall		1	15.30	0.15	0.20	0.46		
	Staircase Back wall		1	2.40	0.20	0.20	0.10		
	Shorter Span Short Wall		5	7.45	0.20	0.20	1.49		
	Staircase Side beam		1	5.40	0.20	0.20	0.22		

	D cription of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	Chajja								
	Deduct								
	for W						-3.46		
			3	2.10	0.45	0.08	0.21		
	Approved Amount	8738.69				Total qty	24.13	8738.69	210861.31
96	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) (Page no-17,Vol-1, Item No-2.5.2 of PWD SR 2021-22).- First Floor Columns								
	First Floor Coumns	Cum							
	School Building								
	Column Above First Floor lvl		10	0.30	0.45	2.85	3.85		
			7	0.15	0.45	2.85	1.35		
	Deduct Lintel height		-10	0.30	0.45	0.20	-0.27		
			-7	0.15	0.45	0.20	-0.09		
	Deduct						-0.47		
						Total qty	4.36	8090.56	35271.81
	Approved Amount	8090.56							
97	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) (Page no-17,Vol-1, Item No-2.5.2 of PWD SR 2021-22).- First Floor Beams and Slab								
		Cum							
	School Building first Floor								
	Roof Beam								
	Longer span Long Wall		2	12.90	0.30	0.30	2.32		
	Long Wall		1	15.30	0.30	0.30	1.38		
	Staircase Back wall		1	2.40	0.30	0.30	0.22		
	Shorter Span Short Wall		5	7.45	0.30	0.30	3.35		
	Staircase Side beam		1	5.40	0.30	0.30	0.49		
	RCC Roof Slab		1	12.90	7.60	0.15	14.71		
	Staircase		1	2.40	4.75	0.15	1.71		
	Rise & treads		0.5X20	1.10	0.30	0.15	0.45		
	Lintel								
	Longer span Long Wall		2	12.90	0.20	0.30	1.55		
	Long Wall		1	15.30	0.15	0.30	0.69		
	Staircase Back wall		1	2.40	0.20	0.30	0.14		
	Shorter Span Short Wall		5	7.45	0.20	0.30	2.24		
	Staircase Side beam		1	5.40	0.20	0.30	0.32		
	Chajja								
	for W		4	2.10	0.45	0.08	0.28		
	Deduct						-5.90		
						Total qty	23.94	8826.07	211278.46
	Approved Amount	8826.07							

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
98	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) (Page no-17,Vol-1, Item No-2.5.2 of PWD SR 2021-22).- Terrace Floor								
		Cum							
	School Building								
	Column Above First Floor lvl		1	0.30	0.45	2.10	0.28		
			3	0.15	0.45	2.10	0.43		
						Total qty	**0.71**	**8170.68**	**5790.97**
	Approved Amount	**8170.68**							
99	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) (Page no-17,Vol-1, Item No-2.5.2 of PWD SR 2021-22).- Terrace Floor								
		Cum							
	School Building								
	Column Above First Floor lvl		9	0.30	0.45	0.75	0.91		
			4	0.15	0.30	0.75	0.14		
						Total qty	**1.05**	**8913.46**	**9325.71**
	Approved Amount	**8913.46**							
100	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.(Page no-17, Vol-2, Item No-6.32 of PWD SR 2021-22)-**Ground Floor**								
		Sqm							
	Block Work-Ground Floor								
	Long Wall		2	12.90		2.85	73.53		
	--do-- Staircase Back wall		1	2.40		2.85	6.84		
	Toilet Walls		2	1.75		3.15	11.03		
	Short Wall		4	5.00		2.85	57.00		
	--do-- Staircase side wall		1	4.50		2.85	12.83		
	Verandah Front wall		1	2.80		1.65	9.62		
			1	2.90		1.65	9.79		
			1	2.80		1.65	9.62		
			1	2.50		1.65	9.13		
	Deduct Openings								
	Coloumn		-10	0.3		2.85	-8.55		
	CG		-1	1.8		2.40	-4.32		
	D		-2	1.05		2.10	-4.41		
	D1		-3	0.75		2.10	-4.73		
	W		-4	1.8		1.20	-8.64		
	V		-4	0.6		0.60	-1.44		
	Deduct Lintel								
	Lintel								
	Longer span Long Wall		-2	12.90		0.20	-5.16		
	Staircase Back wall		-1	2.40		0.20	-0.48		
			-2	5.00		0.20	-2.00		

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	Shorter Span Short Wall		-4	5.70		0.20	-4.56		
	Staircase Side beam		-1	4.50		0.20	-0.90		
						Total qty	154.19	1348.31	207889.18
	Approved Amount	1348.31							
101	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.(Page no-17, Vol-2, Item No-6.32 of PWD SR 2021-22)-**First Floor**								
		Sqm							
	Block Work-First Floor								
	Long Wall		2	12.90		2.85	73.53		
	--do-- Staircase Back wall		1	2.40		2.85	6.84		
	Toilet Walls		2	1.75		3.15	11.03		
	Short Wall		4	5.07		2.85	57.80		
	--do-- Staircase side wall		1	4.50		2.85	12.83		
	Verandah Front wall								
			1	2.40		1.00	7.40		
			1	2.80		1.00	7.80		
	Deduct Openings								
	D		-2	1.05		2.10	-4.41		
	D1		-1	0.75		2.10	-1.58		
	W		-4	1.8		1.20	-8.64		
	W1		-1	1.05		1.20	-1.26		
	V		-1	0.6		0.60	-0.36		
	Deduct Openings								
	Coloumn		-10	0.3		2.85	-8.55		
	CG		-1	1.8		2.40	-4.32		
	D		-2	1.05		2.10	-4.41		
	D1		-3	0.75		2.10	-4.73		
	W		-4	1.8		1.20	-8.64		
	V		-4	0.6		0.60	-1.44		
	Deduct Lintel								
	Long Wall		-2	12.9		0.15	-3.87		
	Short Wall		-2	5.70		0.15	-1.71		
						Total qty	123.31	1360.57	167769.17
	Approved Amount	1360.57							
102	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.(Page no-17, Vol-2, Item No-6.32 of PWD SR 2021-22)-**Terrace Floor**								
		Sqm							
	MS Grill for Verandah Front wall		1	2.90		1.00	7.90		
			1	2.80		1.00	7.80		
			1	2.50		1.00	7.50		
			1	2.40		1.00	7.40		
	Terrace Plastering								
	Front wall		2	15.1		0.75	22.65		
			1	7.30		0.75	5.48		
			1	1.60		0.75	1.20		
	Head Room		1	2.40		2.10	5.04		
			1	0.30		2.10	0.63		
			1	3.00		2.10	6.30		
						Total qty	71.90	1372.83	98699.61
	Approved Amount	1372.83							

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
103	Providing 15 mm cement plaster on the rough side of single or half brick wall of mix 1:4 (1 cement: 4 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. (Item No8.2.1,Vol-2, Page no 41 of PWD SR 2021-22)								
		Sqm							
	Ground Floor Rough Plastering								
	Verandah wall		1	12.67		2.90	36.74		
			1	12.67		1.60	20.27		
			1	12.67		0.35	4.43		
	Ladies Toilet		2	1.70		2.90	9.86		
			2	1.30		2.90	7.54		
	Urinal		2	1.70		2.90	9.86		
			2	2.20		2.90	12.76		
	Jents Toilet		2	1.70		2.90	9.86		
			2	1.35		2.90	7.83		
	Deduction of Openings								
	D		-2	1.05		2.10	-4.41		
	D1		-2	0.75		2.10	-3.15		
	W		-4	1.80		1.20	-8.64		
	V		-4	0.60		0.55	-1.32		
	Deduct						-10.62		
						Total qty	**91.02**	**283.80**	**25831.33**
	Approved Amount	**283.80**							
104	Providing 15 mm cement plaster on the rough side of single or half brick wall of mix 1:4 (1 cement: 4 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. (Item No8.2.1,Vol-2, Page no 41 of PWD SR 2021-22)								
		Sqm							
	First Floor Rough Plastering								
	Verandah wall		1	12.67		2.90	36.74		
			1	12.67		1.00	12.67		
			1	14.77		0.35	5.17		
	Toilet		2	1.65		2.90	9.57		
	Stair case Wall		1	5.40		2.95	15.93		
			1	3.80		2.95	11.21		
			1	2.00		2.95	5.90		
	Deduction of Openings								
	D		-2	1.05		2.10	-4.41		
	D1		-1	0.75		2.10	-1.58		
	W		-1	1.80		1.20	-2.16		
	W1		-1	1.05		2.10	-2.21		
	V		-1	0.60		0.55	-0.33		
						Total qty	**86.51**	**286.38**	**24775.45**
	Approved Amount	**286.38**							
	Providing 12 mm cement plaster with cement mortar 1:4 (1 cement: 4 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge(Item No.8.1.1,Vol-2, Page no 41 of PWD SR 2021-22)								
		Sqm							
	Ground Floor Plastering								
	Ceiling								
	Verandah		1	14.77	1.60		23.63		
	office		1	3.05	5.30		16.17		
	Meetinghall/Class Room		1	7.20	5.30		38.16		
	Ladies Toilet		1	1.70	1.30		2.21		
	Urinal		1	1.70	2.20		3.74		
	Jents Toilet		1	1.70	1.30		2.21		
	Verandah wall		1	12.67		2.90	36.74		

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
05			1	12.67		1.60	20.27		
			1	12.67		0.35	4.43		
	office		2	3.05		2.90	17.69		
			2	5.30		2.90	30.74		
	Meetinghall/Class Room		2	5.30		2.90	30.74		
			2	7.20		2.90	41.76		
	Ladies Toilet		2	1.70		0.80	2.72		
			2	1.30		0.80	2.08		
	Urinal		2	1.70		0.80	2.72		
			2	2.20		0.80	3.52		
	Jents Toilet		2	1.70		0.80	2.72		
			2	1.35		0.80	2.16		
	Stair case Wall		1	5.40		2.95	15.93		
			1	3.80		2.95	11.21		
			1	2.00		2.95	5.90		
	Deduction of Openings								
	D		-2	1.05		2.10	-4.41		
	D1		-3	0.75		2.10	-4.73		
	W		-4	1.80		1.20	-8.64		
	V		-4	0.60		0.55	-1.32		
						Total qty	**298.36**	**244.54**	**72961.32**
	Approved Amount	**244.54**							
106	Providing 12 mm cement plaster with cement mortar 1:4 (1 cement: 4 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge(Item No.8.1.1,Vol-2, Page no 41 of PWD SR 2021-22)								
		Sqm							
	First Floor Plastering								
	Ceiling		1	14.77	1.60		23.63		
	Classroom1		1	6.10	5.30		32.33		
	Classroom2		1	6.05	5.30		32.07		
	Verandah wall		1	12.67		2.90	36.74		
			1	12.67		1.00	12.67		
			1	14.77		0.35	5.17		
	Class Room1		2	6.10		2.90	35.38		
			2	5.30		2.90	30.74		
	Class Room2		2	6.05		2.90	35.09		
			2	5.30		2.90	30.74		
	Toilet		2	1.65		2.90	9.57		
	Stair case Wall		1	5.40		2.95	15.93		
			1	3.80		2.95	11.21		
			1	2.00		2.95	5.90		
	Deduction of Openings								
	D		-2	1.05		2.10	-4.41		
	D1		-1	0.75		2.10	-1.58		
	W		-4	1.80		1.20	-8.64		
	W1		-1	1.05		2.10	-2.21		
	V		-1	0.60		0.55	-0.33		
						Total qty	**300.01**	**246.76**	**74030.34**
	Approved Amount	**246.76**							
107	Providing 12 mm cement plaster with cement mortar 1:4 (1 cement: 4 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge(Item No.8.1.1,Vol-2, Page no 41 of PWD SR 2021-22)								
	Terrace Floor	Sqm							
	School Building								
	Head Room		1	2.00		2.10	4.20		

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
			2	0.30		2.10	1.26		
			2	3.00		2.10	12.60		
	Approved Amount	248.98				Total qty	18.06	248.98	4496.58
108	Providing **20 mm cement plaster** with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement to brick/stone masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge- **Ground Floor**(Item No.8.6.2,Vol-2, Page no 42 of PWD SR 2021-22)								
		Sqm							
	External Plastering Ground Floor								
	Back side wall		1	15.1		3.30	49.83		
	Front wall		1	15.1		3.30	49.83		
	Varahanda Wall		2	14.77		3.30	97.48		
	Side wall		1	7.30		3.30	24.09		
			1	7.30		3.30	24.09		
	Deduct Openings								
	Deduction of Openings								
	D		-2	1.05		2.10	-4.41		
	D1		-3	0.75		2.10	-4.73		
	W		-4	1.80		1.20	-8.64		
	CG MS Gate-Ground Floor		-1	1.80		2.4	-4.32		
	MS Grill for Verandah Front wall								
			-1	2.80		1.00	-2.80		
			-1	2.90		1.00	-2.90		
			-1	2.80		1.00	-2.80		
			-1	2.50		1.00	-2.50		
	Deduct						-86.38		
						Total qty	125.85	426.26	53643.54
	Approved Amount	426.26							
109	Providing **20 mm cement plaster** with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement to brick/stone masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge- **First Floor**(Item No.8.6.2,Vol-2, Page no 42 of PWD SR 2021-22)								
		Sqm							
	External Plastering First Floor								
	Back side wall		1	15.1		3.30	49.83		
	Front wall		1	15.1		3.30	49.83		
	Varahanda Wall		2	14.77		3.30	97.48		
	Deduction of Openings								
	D		-2	1.05		2.10	-4.41		
	D1		-1	0.75		2.10	-1.58		
	W		-4	1.80		1.20	-8.64		
	W1		-1	1.05		2.10	-2.21		
	V		-1	0.60		0.55	-0.33		
	First Floor								
	MS Grill for Verandah Front wall								
			-1	2.40		1.60	-3.84		
			-1	2.80		1.60	-4.48		
			-1	2.90		1.60	-4.64		
			-1	2.80		1.60	-4.48		
			-1	2.50		1.60	-4.00		
			-1	2.40		1.60	-3.84		
	Deduct						-25.07		

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	Approved Amount	**430.13**				**Total qty**	**129.63**	**430.13**	**55758.61**
110	Providing **20 mm cement plaster** with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement to brick/stone masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge- **Terrace Floor**(Item No.8.6.2,Vol-2, Page no 42 of PWD SR 2021-22)								
		Sqm							
	Shorter Span Wall Side Wall		1	7.30		3.30	24.09		
			1	7.30		3.30	24.09		
	Terrace Plastering								
	Front wall		2	15.1		1.50	45.30		
			1	7.30		1.50	10.95		
			1	1.60		1.50	2.40		
	Head Room		1	2.40		2.10	5.04		
			2	0.30		2.10	1.26		
			2	3.00		2.10	12.60		
						Total qty	**125.73**	**434.01**	**54568.08**
	Approved Amount	**434.01**							
111	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.(Item No 8.51,Vol-2, Page no 50 of PWD SR 2021-22)								
	Putty	Sqm							
	Ground Floor Plastering								
	Ceiling								
	Varahanda		1	14.77	1.60		23.63		
	office		1	3.05	5.30		16.17		
	Meetinghall/Class Room		1	7.20	5.30		38.16		
	Ladies Toilet		1	1.70	1.30		2.21		
	Urinal		1	1.70	2.20		3.74		
	Jents Toilet		1	1.70	1.30		2.21		
	office		2	3.05		2.90	17.69		
			2	5.30		2.90	30.74		
	Meetinghall/Class Room		2	5.30		2.90	30.74		
			2	7.20		2.90	41.76		
	Stair case Wall		1	5.40		2.95	15.93		
			1	3.80		2.95	11.21		
			1	2.00		2.95	5.90		
	Deduction of Openings								
	D		-2	1.05		2.10	-4.41		
	D1		-3	0.75		2.10	-4.73		
	W		-4	1.80		1.20	-8.64		
	V		-4	0.60		0.55	-1.32		
						Total qty	**220.99**	**93.10**	**20574.36**
	Approved Amount	**93.10**							
	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.(Item No 8.51,Vol-2, Page no 50 of PWD SR 2021-22)								
		Sqm							
	First Floor Plastering								
	Ceiling		1	14.77	1.60		23.63		
	Classroom1		1	6.10	5.30		32.33		
	Classroom2		1	6.05	5.30		32.07		
	Class Room1		2	6.10		2.90	35.38		
			2	5.30		2.90	30.74		
	Class Room2		2	6.05		2.90	35.09		

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
			2	5.30		2.90	30.74		
	Toilet		2	1.65		2.90	9.57		
	Stair case Wall		1	5.40		2.95	15.93		
			1	3.80		2.95	11.21		
			1	2.00		2.95	5.90		
	Deduction of Openings								
	D		-2	1.05		2.10	-4.41		
	D1		-1	0.75		2.10	-1.58		
	W		-4	1.80		1.20	-8.64		
	W1		-1	1.05		2.10	-2.21		
	V		-1	0.60		0.55	-0.33		
						Total qty	245.43	93.95	23057.87
	Approved Amount	93.95							
	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.(Item No 8.51,Vol-2, Page no 50 of PWD SR 2021-22)								
	Putty	Sqm							
113	**School Building**								
	Head Room		1	2.00		2.10	4.20		
			2	0.30		2.10	1.26		
			2	3.00		2.10	12.60		
						Total qty	18.06	94.80	1712.09
	Approved Amount	94.80							
	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :New work (two coats) over and including water thinnable priming coat with cement primer after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge (Item No 8.25,Vol-2, Page no 45 of PWD SR 2021-22) -Ground Floor								
		Sqm							
	Ground Floor Plastering								
	Ceiling								
	Verandah		1	14.77	1.60		23.63		
	office		1	3.05	5.30		16.17		
	Meetinghall/Class Room		1	7.20	5.30		38.16		
	Ladies Toilet		1	1.70	1.30		2.21		
	Urinal		1	1.70	2.20		3.74		
	Jents Toilet		1	1.70	1.30		2.21		
	Verandah wall		1	12.67		2.90	36.74		
			1	12.67		1.60	20.27		
			1	12.67		0.35	4.43		
114	**office**		2	3.05		2.90	17.69		
			2	5.30		2.90	30.74		
	Meetinghall/Class Room		2	5.30		2.90	30.74		
			2	7.20		2.90	41.76		
	Ladies Toilet		2	1.70		2.90	9.86		
			2	1.30		2.90	7.54		
	Urinal		2	1.70		2.90	9.86		
			2	2.20		2.90	12.76		
	Jents Toilet		2	1.70		2.90	9.86		
			2	1.35		2.90	7.83		
	Stair case Wall		1	5.40		2.95	15.93		
			1	3.80		2.95	11.21		
			1	2.00		2.95	5.90		
	Deduction of Openings								
	D		-2	1.05		2.10	-4.41		
	D1		-3	0.75		2.10	-4.73		
	W		-4	1.80		1.20	-8.64		

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	V		-4	0.60		0.55	-1.32		
	Approved Amount	**117.78**				**Total qty**	**340.15**	**117.78**	**40063.04**
115	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :New work (two coats) over and including water thinnable priming coat with cement primer after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge (Item No 8.25,Vol-2, Page no 45 of PWD SR 2021-22) -First Floor								
		Sqm							
	First Floor Plastering								
	Ceiling								
	Classroom1		1	14.77	1.60		23.63		
	Classroom2		1	6.10	5.30		32.33		
	Verandah wall		1	6.05	5.30		32.07		
			1	12.67		2.90	36.74		
			1	12.67		1.00	12.67		
			1	14.77		0.35	5.17		
	Class Room1		2	6.10		2.90	35.38		
			2	5.30		2.90	30.74		
	Class Room2		2	6.05		2.90	35.09		
			2	5.30		2.90	30.74		
	Toilet		2	1.65		2.90	9.57		
	Stair case Wall		1	5.40		2.95	15.93		
			1	3.80		2.95	11.21		
			1	2.00		2.95	5.90		
	Deduction of Openings								
	D		-2	1.05		2.10	-4.41		
	D1		-1	0.75		2.10	-1.58		
	W		-4	1.80		1.20	-8.64		
	W1		-1	1.05		2.10	-2.21		
	V		-1	0.60		0.55	-0.33		
						Total qty	**300.01**	**118.85**	**35656.13**
	Approved Amount	**118.85**							
116	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :New work (two coats) over and including water thinnable priming coat with cement primer after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge (Item No 8.25,Vol-2, Page no 45 of PWD SR 2021-22) -Terrace Floor								
		Sqm							
	School Building								
	Head Room		1	2.00		2.10	4.20		
			2	0.30		2.10	1.26		
			2	3.00		2.10	12.60		
						Total qty	**18.06**	**119.92**	**2165.76**
	Approved Amount	**119.92**							
	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two coats applied @ 1.43 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (Item No 8.30,Vol-2, Page no 46 of PWD SR 2021-22)-Ground Floor								
		Sqm							
	External Plastering Ground Floor								
	Back side wall		1	15.1		3.30	49.83		
	Front wall		1	15.1		3.30	49.83		
	Varahanda Wall		2	14.77		3.30	97.48		
	Side wall		1	7.30		3.30	24.09		

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
17			1	7.30		3.30	24.09		
	Deduct Openings								
	Deduction of Openings								
	D		-2	1.05		2.10	-4.41		
	D1		-3	0.75		2.10	-4.73		
	W		-4	1.80		1.20	-8.64		
	CG MS Gate-Ground Floor		-1	1.80		2.4	-4.32		
	MS Grill for Verandah Front wall								
			-1	2.80		1.00	-2.80		
			-1	2.90		1.00	-2.90		
			-1	2.80		1.00	-2.80		
			-1	2.50		1.00	-2.50		
	Deduct						-73.79		
						Total qty	**138.44**	**152.55**	**21118.56**
	Approved Amount	**152.55**							
118	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two coats applied @ 1.43 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (Item No 8.30,Vol-2, Page no 46 of PWD SR 2021-22)-First Floor								
		Sqm							
	External Plastering Ground Floor								
	Back side wall		1	15.1		3.30	49.83		
	Front wall		1	15.1		3.30	49.83		
	Varahanda Wall		2	14.77		3.30	97.48		
	Deduction of Openings								
	D		-2	1.05		2.10	-4.41		
	D1		-1	0.75		2.10	-1.58		
	W		-4	1.80		1.20	-8.64		
	W1		-1	1.05		2.10	-2.21		
	V		-1	0.60		0.55	-0.33		
	First Floor								
	MS Grill for Verandah Front wall								
			-1	2.40		1.60	-3.84		
			-1	2.80		1.60	-4.48		
			-1	2.90		1.60	-4.64		
			-1	2.80		1.60	-4.48		
			-1	2.50		1.60	-4.00		
			-1	2.40		1.60	-3.84		
	Deduct						-12.11		
						Total qty	**142.59**	**153.94**	**21950.61**
	Approved Amount	**153.94**							
119	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two coats applied @ 1.43 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (Item No 8.30,Vol-2, Page no 46 of PWD SR 2021-22)-Terrace Floor								
		Sqm							
	Side wall First Floor		1	7.30		3.30	24.09		
			1	7.30		3.30	24.09		
	Terrace Plastering								
	Front wall		2	15.1		1.50	45.30		

	escription of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
			1	7.30		1.50	10.95		
			1	1.60		1.50	2.40		
	Head Room		1	2.40		2.10	5.04		
			2	0.30		2.10	1.26		
			2	3.00		2.10	12.60		
	Approved Amount	**155.33**				**Total qty**	**125.73**	**155.33**	**19529.64**
120	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. ** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, Lakared, River Pink, Orissa Blue or equivalent..(Ground Floor) (Item No 9.24, Vol-2, Page no 63 of PWD SR 2021-22)								
	Granite Flooring	Sqm							
	Ground Floor								
	office		1	3.05	5.30		16.17		
	Meeting Hall		1	7.20	5.30		38.16		
	Steps		18	1.10	0.15		2.97		
			18	1.10	0.23		4.55		
			1	2.10	1.20		2.52		
	Skirting		2	3.05		0.10	0.61		
			2	5.30		0.12	1.27		
			2	7.20		0.10	1.44		
			2	5.30		0.12	1.27		
	Deduct openings								
	D		2	1.05		0.12	0.25		
	D1		1	0.75		0.12	0.09		
						Total qty	**69.31**	**3231.69**	**223972.28**
	Approved Amount	**3231.69**							
121	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. ** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, Lakared, River Pink, Orissa Blue or equivalent..(First Floor) (Item No 9.24, Vol-2, Page no 63 of PWD SR 2021-22)								
	Granite Flooring	Sqm							
	First Floor								
	Class Room 1		1	6.10	5.300		32.33		
	Class Room 2		1	6.05	5.300		32.07		
	Skirting		2	6.10		0.10	1.22		
			2	5.30		0.12	1.27		
			2	6.05		0.10	1.21		
			2	5.30		0.12	1.27		
	Deduct openings								
	D		2	1.05		0.12	0.25		
	D1		1	0.75		0.12	0.09		
						Total qty	**69.71**	**3261.07**	**227332.45**
	Approved Amount	**3261.07**							
122	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. ** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, Lakared, River Pink, Orissa Blue or equivalent..(Terrace Floor) (Item No 9.24, Vol-2, Page no 63 of PWD SR 2021-22)								

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
		Sqm							
	Approved Amount	3290.45				**Total qty**	**0.00**	**3290.45**	**0.00**
	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,complete as per Specificationand directions of the Engineer in charge.(Item No 14.51, Page no 110 of PWD SR 2018-19)								
123		Sqm							
	Grond Floor Steps		18	1.10		0.17	3.37		
			18	1.10		0.25	4.95		
	Landing		1	2.10		1.20	2.52		
	Entrance		1	2.10		1.75	3.68		
						Qty	**14.51**	**4998.41**	**72531.93**
	Approved Amount	**4998.41**							
	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,complete as per Specificationand directions of the Engineer in charge.(Item No 14.51, Page no 110 of PWD SR 2018-19)								
	Staircase Granilte Flooring	Sqm							
124	**First Floor to Terrace**								
	Staircase								
	First Floor Steps		20	1.10		0.15	3.30		
			20	1.10		0.23	5.06		
	Landing		1	2.10		1.20	2.52		
						Qty	**10.88**	**5043.85**	**54877.09**
	Approved Amount	**5043.85**							
125	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 (1 cement : 3 coarse sand) proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete.. - Ground Floor (Item No 10.18, Page no 72 of PWD SR 2021-22)								
		Sqm							
						Total qty	**0.00**	**3447.06**	**0.00**
	Approved Amount	**3447.06**							
126	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 (1 cement : 3 coarse sand) proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete.. - First Floor (Item No 10.18, Page no 72 of PWD SR 2021-22)								
		Sqm							
						Total qty	**0.00**	**3478.40**	**0.00**
	Approved Amount	**3478.40**							
	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including pointing the joints with white cement and matching pigments etc., complete..(Item No 9.11, Page no 60 of PWD SR 2021-22)								
		Sqm							
127	**Ground Floor Toilet**								
	Ladies Toilet		1	1.70	1.30		2.21		
	Urinal		1	1.70	2.20		3.74		
	Jents Toilet		1	1.70	1.30		2.21		
	FF Toilet		1	1.67	1.45		2.42		
	Ground Floor Varahanda		1	0.55	1.60		0.88		
						Total qty	**11.46**	**867.09**	**9938.15**

	scription of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	Approved Amount	867.09							
128	Providing skirting, dadooing, rises of steps with colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. (Item No 9.39, Page no 65 of PWD SR 2021-22)								
		Sqm							
	Ground Floor Toilet								
	Ladies Toilet		2	1.70		2.10	7.14		
			2	1.30		2.10	5.46		
	Urinal		2	1.70		2.10	7.14		
			2	2.20		2.10	9.24		
	Jents Toilet		2	1.70		2.10	7.14		
			2	1.35		2.10	5.67		
	First Floor								
	Toilet		2	1.65		2.00	6.60		
			2	1.47		2.00	5.88		
	Deduct Openings								
	D1		-4	0.75		2.10	-6.30		
	V		-5	0.60		1.25	-3.75		
						Total qty	**44.17**	**2327.58**	**102809.21**
	Approved Amount	**2327.58**							
129	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge.(Item No 15.1, Page no 133 of PWD SR 2021-22)								
		Sqm							
	Ground Floor								
	Ladies Toilet		1	1.70	1.30		2.21		
	Urinal		1	1.70	2.20		3.74		
	Jents Toilet		1	1.70	1.30		2.21		
						Total qty	**8.16**	**835.69**	**6819.23**
	Approved Amount	**835.69**							
130	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge.(Item No 15.1, Page no 133 of PWD SR 2021-22)								
		Sqm							
	First Floor Plastering								
	Toilet		1	1.50	1.65		2.48		
	Terrace		1	12.9	7.5		96.11		
	Deduct		-1	2.40	4.5		-10.80		
						Total qty	**87.78**	**850.88**	**74690.25**
	Approved Amount	**850.88**							

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
131	KSRB10-3 :Providing and laying integral cement based water proofing treatment including preparation of surfa ce as required for treatment of roofs, balconies, terrace s etc., consisting of following application.(a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound confor ming to IS:2645 over the RCCslab after cleaning the surfa ce before treatment. (b) Laying cement concrete using broken brick bats 25mm to100 mm size with 50% of ceme nt mortar 1:5 admixed with proprietary water proofing compound conforming IS: 2645 over 20mm thick layer of cement mortar1:5 adm ixed with proprietary water proofing compound to requir ed slope and treating similarly the adjo ining walls upto 300mm height including rounding off juncti ons of walls and slabs.(c)After two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound. (d)Finishing the surface with20mm thick joint less cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the sur face with trowel and neat cement slurry and making of 300x300mm square. (e)The whole terrace so finished shall be flooded with waterfor a minimum period of two weeks forcuring and for final test including cost of materials,labour complete asper specifications.- Terrace floor (P.68/I.10.2PW,P&IWTD,BENGALURUCIRC LE-SR 2018 -19)								
		Sqm							
	School building								
	Terrace Roof Top Portion		1	12.5	7.0		87.50		
	Deduct		-1	2.40	4.5		-10.80		
						Total qty	**76.70**	**1135.27**	**87075.21**
	Approved Amount	**1135.27**							
132	Providing Mathi / Nandi wood wrought and putup for purlins, common rafters and similar work including cost of materials, labour, usage charges complete as per specifications. (Item No 12.3, Vol-2, Page no 99 of PWD SR 2021-22)								
		Cum							
	School building Ground floor								
	D		2	6.30	0.13	0.08	0.95		
	Deduct						-0.29		
						Total qty	**0.66**	**82962.78**	**54340.62**
	Approved Amount	**82962.78**							
133	Providing Mathi / Nandi wood wrought and putup for purlins, common rafters and similar work including cost of materials, labour, usage charges complete as per specifications. (Item No 12.3, Vol-2, Page no 99 of PWD SR 2021-22)								
	School building First Floor	**Sqm**							
	D		2	6.30	0.13	0.08	0.95		
	Deduct						-0.50		
						Total qty	**0.45**	**83716.99**	**37254.06**
	Approved Amount	**83716.99**							
134	Providing and fixing 30 mm thick both side commercial flush door shutter made out of solid core block board type, well seasoned , chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame alround door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde resin as per IS specifications 2202 (part-I) 1991. from manufacturer complete as per spcification.(Item No 12.57.3, Vol-2, Page no 106 of PWD SR 2021-22)								
		Sqm							
	School building Ground floor							-	
	D		2	1.05		2.10	4.41		
						Total qty	**4.41**	**2959.11**	**13049.68**
	Approved Amount	**2959.11**							
135	Providing and fixing 30 mm thick both side commercial flush door shutter made out of solid core block board type, well seasoned , chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame alround door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde resin as per IS specifications 2202 (part-I) 1991. from manufacturer complete as per spcification.(Item No 12.57.3, Vol-2, Page no 106 of PWD SR								
		Sqm							
	School building First floor								

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	D		2	1.05		2.10	4.41		
	Approved Amount	2986.01				**Total qty**	**4.41**	**2986.01**	**13168.30**
136	UPVC WINDOWS Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mmheight with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made) (Item No 12.9, Page no 110 of PWD SR 2021-22)								
		Sqm							
	School building Ground Floor								
	W		4	1.80		1.20	8.64		
	V		4	0.60		0.60	1.44		
						Total qty	**10.08**	**8121.29**	**81862.60**
	Approved Amount	8121.29							
137	UPVC WINDOWS Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mmheight with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made) (Item No 12.9, Page no 110 of PWD SR 2021-22)								
		Sqm							
	School building First Floor								
	W		5	1.80		1.20	10.80		
	W1		1	1.05		1.20	1.26		
	V		1	0.60		0.60	0.36		
						Total qty	**12.42**	**8195.12**	**101783.39**
	Approved Amount	8195.12							
138	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation and directions of the Engineer in charge (Page no-45, Item No-7.37 of PWD SR 2018-19) -Ground Floor								
	School Building								
	CG MS Gate-Ground Floor		1.00	1.80		2.40	4.32		
		Sqm				**Total qty**	**4.32**	**3378.64**	**14595.72**
	Approved Amount	3378.64							

o	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
139	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation and directions of the Engineer in charge (Page no-45, Item No-7.37 of PWD SR 2018-19) -First Floor								
		Sqm							
						Total qty	0.00	3409.35	0.00
	Approved Amount	3409.35							
140	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding (Page no-85, Vol-2, Item No-11.34A of PWD SR 2021-22) -Ground Floor								
		Kgs							
	School building Ground Floor								
	W		4	1.8		1.20	8.64		
	V		4	0.60		0.60	1.44		
							10.08	**Sqm**	
	Window Grill 25 Kg/Sqm						252.00	**Kg**	
	Ward No-01								
	R.O Plant In Police Quaters Bagalur Yelahanka								
	W		1	1.20		1.20	1.44		
	W1		1	0.90		0.60	0.54		
	W2		2	0.60		0.60	0.72		
	Ward No-02								
	R.O Plant In Inside CRPF Yelahanka								
	W		1	1.20		1.20	1.44		
	W1		1	0.90		0.60	0.54		
	W2		2	0.60		0.60	0.72		
	R.O Plant In Govt. PU College Yelahanka								
	W		1	1.20		1.20	1.44		
	W1		1	0.90		0.60	0.54		
	W2		2	0.60		0.60	0.72		
							8.10	**Sqm**	
	22kg/Sqm		8.1	22.00			**178.20**	**Kg**	
						Total qty	**430.20**	**146.95**	**63217.89**
	Approved Amount	**146.95**							
141	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding (Page no-85, Vol-2, Item No-11.34A of PWD SR 2021-22) - First Floor								
		Kgs							
	School building First Floor								
	W		5	1.80		1.20	10.80		
	W1		1	1.05		1.20	1.26		
	V		1	0.60		0.60	0.36		
							12.42		
	Window Grill 25 Kg/Sqm						310.50		
						Total qty	**310.50**	**148.28**	**46040.94**
	Approved Amount	**148.28**							
	Basic Rate			131.00					

l. No	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	AW-10%			13.10					
	Lift Charges-1% per floor			1.31					
	Total			145.41					
142	Providing and fixing M.S.Grill over existing compound wall as per, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and directions of the Engineer in charge. ..(Page no-44, Item No-7.36 of PWD SR 2018-19)								
		Sqm							
	Ground Floor								
	MS Grill for Verandah Front wall								
			1	2.80		1.00	7.80		
			1	2.90		1.00	7.90		
	Deduct						-0.83		
						Total qty	**14.87**	**6022.54**	**89555.17**
	Approved Amount	**6022.54**							
143	Providing and fixing M.S.Grill over existing compound wall as per, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and directions of the Engineer in charge. ..(Page no-44, Item No-7.36 of PWD SR 2018-19)								
		Sqm							
	First Floor								
	MS Grill for Verandah Front wall								
			1	2.40		1.60	8.84		
			1	2.80		1.60	9.48		
	Deduct						-3.45		
						Total qty	**14.87**	**6077.29**	**90369.30**
	Approved Amount	**6077.29**							
144	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.. (Item No 11.28, Page no 83 of PWD SR 2018-19)								
		KGS							
	Ground Floor								
	Railings		1	6.90		1.00	6.90		
	13kg/Sqm						89.70		
						Total Qty	**89.70**	**560.86**	**50309.14**
	Approved Amount	**560.86**							

o	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
145	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.. (Item No 11.28, Page no 83 of PWD SR 2018-19)								
	Stainless Steel Railing	KG							
	First Floor								
	Railings								
	13kg/Sqm		1	6.00		1.00	6.00		
							78.00		
						Total Qty	**78.00**	**560.96**	**43754.88**
	Approved Amount	**560.96**							
146	Providing and laying water proofing treatment to the Water tanks & Liquid Retaining structures with two component acrylic polymer modified cementitious waterproofing membrane with minimum elongation of 50% applied @ 1.5 kg/m2 for internal side waterproofing in two layers with waiting period of 4-6 hrs per layer and food grade epoxy coating in two coats certified by CFTRI Mysuru, including surface preparation completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge (Item No 15.6, Vol-2, Page no 134 of PWD SR 2021-22)								
		Sqm							
	For Sump								
	bottom Slab		1	3.76	3.16		11.88		
	Walls		2	3.46		1.80	12.46		
			2	2.86		1.80	10.30		
						Total Qty	**34.63**	**515.02**	**17837.00**
	Approved Amount	**515.02**							
147	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) (Page no-84, Item No-11.32 of PWD SR 2021-22).								
	Up to Ground floor	KG							
	Footings						839.61		
	Columns						1609.14		
	Beams						3170.92		
	Slab						1016.26		
						Total qty	**6635.93**	**98.71**	**655032.65**
	Approved Amount	**98.71**							
148	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) (Page no-84, Item No-11.32 of PWD SR 2021-22).								
	First Floor	KG							
	Columns						818.73		
	Beams						2223.61		
	Slab						1299.12		
						Total qty	**4341.46**	**99.61**	**432452.83**
	Approved Amount	**99.61**							
149	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) (Page no-84, Item No-11.32 of PWD SR 2021-22).								
	Terrace Floor	KG							

o	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	Column, Beam & Slab								
							242.92		
	Approved Amount	100.51				Total qty	242.92	100.51	24415.89
150	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required (Page no-84, Vol-2, Item No-14.3.1 of PWD SR 2021-22).								
	Water Closets	Nos							
	Ground Floor								
	W/C	2	1				2.00		
						Total qty	2.00	5614.23	11228.46
	Approved Amount	5614.23							
151	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Range of four half stall urinals with 10 litre P.V.C. automatic flushing cistern (Item No 14.5.2, Page no 122 of PWD SR 2021-22)								
	Urinal Basins	Nos							
	Ground Floor								
	Gents Toilet	3	1				3.00		
						Total qty	3.00	12890.86	38672.58
	Approved Amount	12890.86							
152	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required: using White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer(Item No 14.7A, Vol-2, Page no 125 of PWD SR 2021-22)								
	Wash Basins	Nos							
	Ground Floor								
	Gents Toilet	3	1				3.00		
						Total qty	3.00	4037.09	12111.27
	Approved Amount	4037.09							
153	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 40 mm dia semi rigid (Item No 14.28.1.2, Page no 128 of PWD SR 2021-22)								
	Ground Floor	Nos							
	Qty same as wash basins						3.00		
						Total qty	3.00	241.17	723.51
	Approved Amount	241.17							
154	Providing and fixing PTMT towel rail 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 g. complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. (Item No 14.40.2,Vol-2, Page no 130 of PWD SR 2021-22)								
	Towel Rails	Nos							
	Bath rooms	3	1				3.00		
						Total qty	3.00	426.26	1278.78
	Approved Amount	426.26							
155	Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications and directions of the Engineer in charge.(Item No 14.32.3, Page no 128 of PWD SR 2021-22)								
	Mirror	Nos							
	Bath rooms	3	1				3.00		
						Total qty	3.00	974.78	2924.34
	Approved Amount	974.78							

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
156	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications.For Rain water pipe. -do - 110 mm dia complete as per specifications and directions of the Engineer in charge. (Item No 13.73.5, Page no 96 of PWD SR 2018-19)								
	PVC Pipes	Nos							
	Rainwater pipes	8	1	8.00			64.00		
	Sanitary Pipes								
	Toilets								
	Verticle Pipes	3	1	12.00			36.00		
	Horizontal Pipe	1	1	10.00			10.00		
						Total qty	**110.00**	**667.43**	**73417.30**
	Approved Amount	**667.43**							
157	Providing and fixing Chlorinated Poly Venyl Chloride (CPVC) 25 pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) (25mm nominal OD pipes) complete as per specifications.and directions of the Engineer in charge.(Item No 13.86.3, Page no 99 of PWD SR 2018-19)								
	CPVC Pipe	Mtr							
	Ground Floor								
	Toilets	1	1	25.00			25.00		
						Total qty	**25.00**	**328.67**	**8216.75**
	Approved Amount	**328.67**							
158	Providing and fixing Chlorinated Poly Venyl Chloride (CPVC) 25 pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) (25mm nominal OD pipes) complete as per specifications.and directions of the Engineer in charge.(Item No 13.86.3, Page no 99 of PWD SR 2018-19) - First Floor .								
	CPVC Pipe	Mtr							
	First Floor								
	Toilets	1	1	30.00			30.00		
						Total qty	**30.00**	**331.65**	**9949.50**
	Approved Amount	**331.65**							
159	Providing and fixing Chlorinated Poly Venyl Chloride (CPVC) 25 pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) (25mm nominal OD pipes) complete as per specifications.and directions of the Engineer in charge.(Item No 13.86.3, Page no 99 of PWD SR 2018-19) - Terrace Floor								
	CPVC Pipe	Mtr							
	Terrace Floor								
	Toilets	1	1	20.00			20.00		
						Total qty	**20.00**	**334.64**	**6692.80**
	Approved Amount	**334.64**							
160	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) 20 pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) (25mm nominal OD pipes) complete as per specifications.and directions of the Engineer in charge. (Item No 13.86.2, Page no 99 of PWD SR 2018-19)								
	CPVC Pipe	Mtr							

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	Ground Floor								
	Toilets	1	1	20.00					
							20.00		
	Approved Amount	263.61				Total qty	20.00	263.61	5272.20
161	Constructing brick masonry inspection chamber 600x600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 600x600mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 600x600mm. complete as per specifications and directions of the Engineer in charge.(Item No 11.50.2, Page no 75 of PWD SR 2018-19)								
	Inspection Chamber	Nos							
	Brick masonary chamber	4	1				4.00		
						Total qty	4.00	9523.45	38093.80
	Approved Amount	9523.45							
162	Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 5000 Litre capacity) as per Specification and directions of the Engineer in charge. (Item No 13.78, Page no 96 of PWD SR 2018-19)								
	Water storage Tank	Nos							
	5000 litets tank	1	1				1.00		
						Total qty	1.00	38295.69	38295.69
	Approved Amount	38295.69							
163	Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge.(Item No 13.2.2, Page no 115 of PWD SR 2020-21)								
	Brass Bib Cock	Nos							
	Toilets	6	1				6.00		
						Total qty	6.00	387.00	2322.00
	Approved Amount	387.00							
164	Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge. (Item No 13.3.2, Page no 115 of PWD SR 2021-22)								
	Brass Stop Cock	Nos							
	Stop cock	4	1				4.00		
						Total qty	4.00	387.00	1548.00
	Approved Amount	387.00							
165	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.and directions of the Engineer in charge. (Item No 13.4.1, Page no 115 of PWD SR 2020-21)								
	Brass gate valve	Nos							
	Gate Valve	4	1				4.00		
						Total qty	4.00	592.27	2369.08
	Approved Amount	592.27							

No	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
166	Providing and fixing CUBICLE WORKSTATIONS consisting of wings made out of 75 mm thick MS CRCA powder coated,tile based system for main and return spine, Top tile finish 8 mm thick MDF covered with Fabric of approved colour and one writing board (600 mm W) and one soft board (600 mm W) per workstation, Bottom tile finish 9 mm thick Laminate tile of approved colour, Raceway- one middle raceway (600mm W) below table top per workstation and continous raceway at the skirting level, Wire manager - ABS plastic grommet one number per table,Table top - 25 mm thick PLPB with straight table top End Table 25 mm thick PLPB with straightedge bound Hardware-MS powder coated corner bkt, cantilever bkt, separator hook on bkt, L bkt and Table joint plate., as per specifications, drawings and as directed by Engineer in charge. Size : 1500 mmW x 1200mm D x 1200 mm ht. complete as per specifications and directions of the Engineer in charge . (Item No 39.16.1, Page no 333 of PWD SR 2018-19) X TYPE 4 wings. 3 A)								
	Cubicle Work station	Nos							
	Ground Floor	2	1				2.00		
						Total qty	2.00	56086.25	112172.50
	Approved Amount	56086.25							
167	FREE STANDING TABLE FOR CABIN - WITHOUT FRAMES Providing and fixing Free Standing Table for Cabin- without frames consisting of 25 mm thick PLPB table top, 25 mm thick PLPB with edge bomded End table, 18 mm thick PLPB with edge bonded Modesty, Wire manager - ABS plastic grommet one number per table Hardware-Minifix assembly and screw leg., as per specifications, drawings and as directed by Engineer in charge. Main Table : 1500 mmW x 750mm D x 750 mm ht (Edgebinding table top) Side Table : 900 mm W x 450mm D X 750 mm ht.complete as per specifications and directions of the Engineer in charge . (Item No 39.17.1, Page no 334 of PWD SR 2018-19)								
	Free standing table	Nos							
	Tables	2	1				2.00		
						Total qty	2.00	13415.83	26831.66
	Approved Amount	13415.83							
168	Providing and fixing M.S.Grill over existing compound wall as per, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and directions of the Engineer in charge. ..(Page no-44, Item No-7.36 of PWD SR 2018-19)								
		Sqm							
	Ground Floor								
	MS Grill for Verandah Front wall		1	2.80		1.00	7.80		
			1	2.50		1.00	7.50		
	First Floor								
	MS Grill for Verandah Front wall								
			1	2.90		1.60	9.64		
			1	2.80		1.60	9.48		
			1	2.50		1.60	9.00		
			1	2.40		1.60	8.84		
							-9.41		
	Deduct					Total qty	42.85	6132.04	262748.10
	Approved Amount	6132.04							
169	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.(Page no-48, Item No-8.41 of PWD SR 2021-22)								
		Sqm							
	School building Ground Floor								
	W		4	1.8		1.20	8.64		

No	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	V		4	0.6		0.60	1.44		
	MS Grill for Verandah Front wall								
			1	2.80		1.00	7.80		
			1	2.90		1.00	7.90		
			1	2.80		1.00	7.80		
	CG MS Gate-Ground Floor		1	2.50		1.00	7.50		
			1	1.80		2.4	4.32		
						Total qty	**45.40**	**145.82**	**6620.23**
	Approved Amount	**145.82**							
170	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.(Page no-48, Item No-8.41 of PWD SR 2021-22) - First Floor								
		Sqm							
	School building First Floor								
	W		4	1.80		1.20	8.64		
	W1		1	1.05		1.20	1.26		
	V		1	0.60		0.60	0.36		
	MS Grill for Verandah Front wall								
			1	2.40		1.60	3.84		
			1	2.80		1.60	4.48		
			1	2.90		1.60	4.64		
			1	2.80		1.60	4.48		
	Head room Door		1	1.00		1.65	1.65		
						Total qty	**29.34**	**147.15**	**4317.38**
	Approved Amount	**147.15**							
171	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.(Page no-48, Item No-8.41 of PWD SR 2021-22) - Terrace Floor								
		Sqm							
						Total qty	**0.00**	**148.48**	**0.00**
	Approved Amount	**148.48**							
	Electrical								
172	CONCEALED CONDUIT SYSTEM: Supplying mm dia 2mm 2.5mm thick heavy gauge PVC Conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures run with 18 SWG GI fish wire wherever necessary. complete as per specifications and directions of the Engineer in charge .19/20mm								
	Electrical	M							
	19/20 mm conduit pipe	1	1	150.00			150.00		
						Total qty	**150.00**	**40.79**	**6118.50**
	Approved Amount	**40.79**							
173	CONCEALED CONDUIT SYSTEM: Supplying mm dia 2mm 2.5mm thick heavy gauge PVC Conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures run with 18 SWG GI fish wire wherever necessary. complete as per specifications and directions of the Engineer in charge .25mm								
	Electrical	M							
	25 mm conduit pipe	1	1	50.00			50.00		

No	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	Approved Amount	54.05				Total qty	50.00	54.05	2702.50
174	Open **Conduit** System - supplying heavy gauge PVC conduit pipe dia mm thick comfirming to IS 2509 with suitable size **bends**, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of **RCC** ceiling and **RCC** wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws. complete as per specifications.and directions of the Engineer in charge.								
	Electrical	M							
	open conduit pipe	1	1	40.00			40.00		
						Total qty	40.00	93.82	3752.80
	Approved Amount	93.82							
175	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction **boxes,** adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering **up** to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary. **19/20mm dia, 2mm thick** complete as per specifications.and directions of the Engineer in charge.								
	Electrical	M							
	19/20mm conduit pipe- Groove cutting	1–	1	80.00			80.00		
						Total qty	80.00	40.79	3263.20
	Approved Amount	40.79							
176	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction **boxes,** adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering **up** to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary. **32mm dia, 2mm thick** complete as per specifications.and directions of the Engineer in charge.								
	Electrical	M							
	32mm conduit pipe- Groove cutting	1	1	20.00			20.00		
						Total qty	20.00	54.05	1081.00
	Approved Amount	54.05							
177	Supplying and fixing PVC/metal conduit Deep junction box complete as per specifications and directions of the Engineer in charge **19/20mm deep** junction box								
	Electrical	Nos							
	19/20mm deep junction box	1	1	20.00			20.00		
						Total qty	20.00	43.85	877.00
	Approved Amount	43.85							
178	Supplying and fixing PVC/metal conduit Deep junction box complete as per specifications and directions of the Engineer in charge **25 mm deep** junction box								
	Electrical	Nos							
	25 mm deep junction box	1	1	15.00			15.00		
						Total qty	15.00	47.93	718.95
	Approved Amount	47.93							
179	Supplying and fixing PVC/metal conduit Deep junction box complete as per specifications and directions of the Engineer in charge **32mm deep** junction box								
	Electrical	Nos							
	32mm deep junction box	1	1	10.00			10.00		
						Total qty	10.00	61.19	611.90
	Approved Amount	61.19							
180	Supplying and flush mounting teak wooden box without front plant made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complete.complete as per specifications and directions of the Engineer in charge **1 to 2 way**								
	Electrical	Nos							

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	1 to 2 way	1	1	5.00					
							5.00		
	Approved Amount	33.65				Total qty	5.00	33.65	168.25
181	Supplying and flush mounting teak wooden box without front plant made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complete.complete as per specifications and directions of the Engineer in charge **3 to 4 way**								
	Electrical	Nos							
	3 to 4 way	1	1	5.00					
							5.00		
						Total qty	5.00	40.79	203.95
	Approved Amount	40.79							
182	Extra for groove cutting in brick wall /CC floor' to the suitable depth for con cealing of conduit/GI pipe and plastering,finishing upto wall surface complete. complete as per specifications and directions of the Engineer in charge								
	Electrical	Nos							
	Extra for groove cutting	1	1	150.00			150.00		
						Total qty	150.00	21.40	3210.00
	Approved Amount	21.40							
183	Suplplying and fixing "S" Hook made out of 14mm dia M.S. rod complete as per specifications and directions of the Engineer in charge								
	Electrical	Nos							
	S Hook	1	1	5.00			5.00		
						Total qty	5.00	34.67	173.35
	Approved Amount	34.67							
184	Point wiring using copper wire with switch: Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. complete as per specifications and directions of the Engineer in charge Short point **upto 3Mtrs from tapping point to out let**								
	Electrical	Nos							
	Point wiring using copper wire with switch upto 3 mtrs	1	1	8.00			8.00		
						Total qty	8.00	203.95	1631.60
	Approved Amount	203.95							
185	Point wiring using copper wire with switch: Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. complete as per specifications and directions of the Engineer in charge . Medium point above **3Mtrs upto 6Mtr from Tapping point to out let via switch**								
	Electrical	Nos							
	Point wiring using copper wire with switch upto 3-6 mtrs	1	1	8.00			8.00		
						Total qty	8.00	280.43	2243.44
	Approved Amount	280.43				-			
186	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or consealed system of wiring. I Group A **1 sqmm** complete as per specifications and directions of the Engineer in charge								
	Electrical	M							
	1 Sqmm Wire	1	1	100.00			100.00		
	Ro Plant		1	350.00			350.00		
						Total qty	450.00		
						Upto 125%	125.00	14.28	1785.00
						Above 125%	325.00	14.28	4641.00
	Approved Amount	14.28							

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	Basic Rate			14.00					
	Above 1.975%			0.28					
	Total			14.28					
187	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements. **2.5 sqmm** complete as per specifications.and directions of the Engineer in charge.								
	Electrical	M							
	2.5 Sqmm Wire	1	1	80.00			80.0		
						Total qty	80.0	32.63	2610.40
	Approved Amount	32.63							
188	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements. **4 sqmm** complete as per specifications.and directions of the Engineer in charge.								
	Electrical	M							
	4 Sqmm Wire	1	1	80.00			80.00		
						Total qty	80.00	45.89	3671.20
	Approved Amount	45.89							
189	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements. 6 **sqmm** complete as per specifications.and directions of the Engineer in charge.								
	Electrical	M							
	6 Sqmm Wire	1	1	60.00			60.00		
						Total qty	60.00	71.38	4282.80
	Approved Amount	71.38							
190	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC/ box. complete as per specifications and directions of the Engineer in charge **1 to 3 module**								
	Electrical	Nos							
	1 to 3 module	1	1	15.00			15.00		
						Total qty	15.00	112.17	1682.55
	Approved Amount	112.17							
191	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC/ box. complete as per specifications and directions of the Engineer in charge **4 module**								
	Electrical	Nos							
	4 module	1	1	12.00			12.00		
						Total qty	12.00	127.47	1529.64
	Approved Amount	127.47							
192	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC/ box. complete as per specifications and directions of the Engineer in charge **6 module**								
	Electrical	Nos							
	6 module	1	1	10.00			10.00		
						Total qty	10.00	178.46	1784.60
	Approved Amount	178.46							

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
193	Supply box type suitable for 28W T5 single / twin lamp & suspension mounted luminaire and optical reflector. Prewired with HF electronic ballast, push fit type lamp holders and main connectors. Channel cover shall be made of CRCA MS sheet and finishing is done with stone enameled white with end caps made of engineering plastic complete as per specifications and directions of the Engineer in charge a) Electronic Ballast suitable for T5 Lamp 1x24 Watt								
	Electrical	Nos							
	T5 Lamp 1x24 Watt	1	1	12.00					
							12.00		
	Approved Amount	**520.07**				**Total qty**	**12.00**	**520.07**	**6240.84**
194	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and Complete wiring as required. complete as per specifications and directions of the Engineer in charge **50-63 Amps SP**								
	Electrical	Nos							
	50-63 Amps SP	1	1	3.00			3.00		
						Total qty	**3.00**	**737.20**	**2211.60**
	Approved Amount	**737.20**							
195	LED Drivers suitable for **5700K LED** fitting Outdoor Fixtures 240W 5700K suitable for outdoor LED fitting complete as per specifications and directions of the Engineer in charge								
	Electrical	Nos							
	5700K LED fitting Outdoor	1	1	4.00			4.00		
						Total qty	**4.00**	**7716.45**	**30865.80**
	Approved Amount	**7716.45**							
196	Supplying **4mm** thick plastic sheet with necessary nitches for fixing switches regulators etc., and fixing on existing wooden or metal box using N.F.Screws. complete as per specifications and directions of the Engineer in charge								
	Electrical	Sqcm							
	4mm thick plastic sheet	1	1	200.00			200.00		
						Total qty	**200.00**	**0.28**	**56.00**
	Approved Amount	**0.28**							
197	Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc, for operation on 230 volts, 50 cycles. single phase AC supply conforming to ISS-374-1979 and with double ball bearing system **48" sweep** (1200mm) complete as per specifications.and directions of the Engineer in charge.								
	Electrical	Nos							
	ceiling fan	1	1	8.00			8.00		
						Total qty	**8.00**	**2131.00**	**17048.00**
	Approved Amount	**2131.00**							
198	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 complete as per specifications and directions of the Engineer in charge Stepped Fan Regulator								
	Electrical	Nos							
	Stepped Fan Regulator	1	1	8.00			8.00		
						Total qty	**8.00**	**295.60**	**2364.80**
	Approved Amount	**295.60**							
199	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 complete as per specifications and directions of the Engineer in charge TV/Telephone socket								
	Electrical	Nos							
	TV/Telephone socket	1	1	4.00			4.00		
						Total qty	**4.00**	**80.55**	**322.20**
	Approved Amount	**80.55**							
200	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 complete as per specifications and directions of the Engineer in charge RJ45/I.O. outlet								
	Electrical	Nos							
	RJ45/I.O. outlet	1	1	5.00			5.00		
						Total qty	**5.00**	**198.70**	**993.50**

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	Approved Amount	198.70							
201	Fixing a Ceiling/Wall mounting fan of all capacities and all types to the existing S hook with fan regulator to the existing board together with supplying and fixing a 5 ampers ceiling rose, necessary length of 23/0.0076 inch PVC insulated twin twisted copper wire and wiring completely. complete as per specifications and directions of the Engineer in charge								
	Electrical	Nos							
	Ceiling/Wall mounting fan	1	1	4.00					
							4.00		
	Approved Amount					Total qty	4.00	152.90	611.60
		152.90							
202	Supplying and fixing Moulded Cases Cicuit Breaker (MCCB) over the existing wood/panel/ board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947.(Icu = Ics) . complete as per specifications and directions of the Engineer in charge **100Amps 25kA.**								
	Electrical	Nos							
	MCCB 100Amps 25kA.	1	1	2.00			2.00		
						Total qty	2.00	4619.47	9238.94
	Approved Amount	4619.47							
203	Supplying and fixing Moulded Cases Cicuit Breaker (MCCB) over the existing wood/panel/ board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947.(Icu = Ics) . complete as per specifications and directions of the Engineer in charge **250Amps 35kA.**								
	Electrical	Nos							
	MCCB 250Amps 35kA.	1	1	1.00			1.00		
						Total qty	1.00	15653.16	15653.16
	Approved Amount	15653.16							
204	Supplying, fixing wiring **earth electrode** for gounding conduits, I.C.Cutouts and other equipments on the meter board using 40mm dia 2.90 thick GI 2.5 mtr long buried in a pit... the pit should be filled with equal proportion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the pipe to the conduit etc, is to be established through GI wire of size as oer ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 12 mm dia. complete as per specifications and directions of the Engineer in charge								
	Electrical	Nos							
	earth electrode	1	1	2.00			2.00		
						Total qty	2.00	3058.94	6117.88
	Approved Amount	3058.94							
205	Supplying of **1.1 KV LT UG cable** having aluminium conductor PVC insulated, extruded inner sheathed, galvanised, steel strip (except 2Cx 10Sq.mm wire armoured) Confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheated armoured cable with confirming to the attached GTP of GROUP-A. (62/7.4) **4 core 16 sqmm** complete as per specifications.and directions of the Engineer in charge.								
	Electrical	M							
	4 core 16 sqmm	1	1	20.00			20.00		
						Total qty	20.00	152.90	3058.00
	Approved Amount	152.90							
206	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stoneware pipe/ on wall/ on pole as required. I. In existing trench /duct. complete as per specifications.and directions of the Engineer in charge. **6sqmm to 16 sqmm**								
	Electrical	M							
	6sqmm to 16 sqmm	1	1	20.00			20.00		
						Total qty	20.00	12.10	242.00
	Approved Amount →	12.10							
207	Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25 mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. complete as per specifications.and directions of the Engineer in charge 40 mm								
	Electrical	Nos							
						Total qty	0.00	341.60	0.00
	Approved Amount	341.60							

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
208	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. complete as per specifications.and directions of the Engineer in charge 16 Sqmm								
	Electrical	Nos							
	L.T. cast Iron pot heads	1	1	1.00					
							1.00		
						Total qty	**1.00**	**275.30**	**275.30**
	Approved Amount	**275.30**							
209	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers etc.complete as per specifications.and directions of the Engineer in charge 32 Amps								
	Electrical	Nos							
	Porcelain fuse channel	1	1	6.00			6.00		
						Total qty	**6.00**	**177.40**	**1064.40**
	Approved Amount	**177.40**							
210	Supplying and fixing regular MCB distribution boards on well /wood board /flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB`s single phase /3 phase /single for with powder coated painting etc., complete as per specifications.and directions of the Engineer in charge . Single Door b) 8 way SP&N								
	Electrical	Nos							
	MCB Single Door b) 8 way SP&N	1	1	2.00			2.00		
						Total qty	**2.00**	**978.90**	**1957.80**
	Approved Amount	**978.90**							
211	Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz, AC Supply complete complete as per specifications.and directions of the Engineer in charge 12" Sweep (300mm)								
	Electrical	Nos							
	exhaust fan	1	1	3.00			3.00		
						Total qty	**3.00**	**2141.00**	**6423.00**
	Approved Amount	**2141.00**							
212	Supplying and drawing UTP-CAT 6E LAN cable omplete as per specifications.and directions of the Engineer in charge								
	Electrical	M							
	UTP-CAT 6E LAN cable	1	1	10.00			10.00		
						Total qty	**10.00**	**29.55**	**295.50**
	Approved Amount	**29.55**							
213	Supplying and drawing PVC flexible one pair telephone unarmoured tinned copper cable omplete as per specifications.and directions of the Engineer in charge 2 pairs								
	Electrical	M							
	Telephone cable	1	1	15.00			15.00		
						Total qty	**15.00**	**14.76**	**221.40**
	Approved Amount	**14.76**							
214	Meter and panel board : Supply and delivery of meter and panel boarc unit one number of MS box of size 300 x 120 mm size fabricated out of 2 mm thick sheet metal with sealable door arrangement for mounting the CTS (If any) cutouts 3 phase dia 4 wire energy meter and cable box complete A tranperent glass piece should be provided where the energy meter reading could be read b. panel board to operate on 50c /400/400 v (Copy enclosed) complete as per specifications.and directions of the Engineer in charge								
	Electrical	Nos							
	Meter and panel board	1	1	1.00			1.00		
						Total qty	**1.00**	**6760.60**	**6760.60**
	Approved Amount	**6760.60**							

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
215	Earthing: supplying and fixing and wiring earth electrode for grounding circuits IC cut outs and other equipment on the meter board in the pit the pits should be filled in with a equal proportion of salt and charcoal 150 mm around the pipe to complete depth the connection from the GI wire of size as per the clause 1, 3.3 of IS 732 using 12 mm bolts nuts washers and check nuts complete (copy enclosed) complete as per specifications.and directions of the Engineer in charge								
	Electrical	Nos							
	Earthing	1	1	1.00			1.00		
	Approved Amount	**1529.30**				**Total qty**	**1.00**	**1529.30**	**1529.30**
216	Providing & Installing Pumping Machinery1.50 HP 10.00 Stage with accessories.(P.XLII /Sl.No.9 PW,P & IWTD, BENGALURU CIRCLE-SR 2018-19)								
	For Water supply Purpose	1	1	1.00			1.00		
		Nos				**Total qty**	**1.00**	**14565.30**	**14565.30**
	Approved Amount	**14565.30**							
E1	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. Volume-2 Pg- 17 Item No6.33PWD SR 21-22								
	Ward No-01								
	R.O Plant In Police Quaters Bagalur Yelahanka								
	Wall up to Lintel		2	5.70		2.10	23.94		
			2	4.30		2.10	18.06		
	Wall Above Lintel		2	5.70		0.67	7.64		
			2	4.30		0.67	5.76		
	Wall Above Slab		2	6.30		0.45	5.67		
			2	5.80		0.45	5.22		
	Deduction								
	D		-1	1.85		2.10	-3.89		
	W		-1	1.20		1.20	-1.44		
	W1		-1	0.90		0.60	-0.54		
	W2		-2	0.60		0.60	-0.72		
	Ward No-02								
	R.O Plant In Inside CRPF Yelahanka								
	Wall up to Lintel		2	5.70		2.10	23.94		
			2	3.85		2.10	16.17		
	Wall Above Lintel		2	5.70		0.67	7.64		
			2	3.85		0.67	5.16		
	Wall Above Slab		2	6.30		0.45	5.67		
			2	5.35		0.45	4.82		
	Deduction								
	D		-1	1.85		2.10	-3.89		
	W		-1	1.20		1.20	-1.44		
	W1		-3	0.90		0.60	-1.62		
	R.O Plant In Govt. PU College Yelahanka								
	Wall up to Lintel		2	5.70		2.10	23.94		
			2	4.30		2.10	18.06		
	Wall Above Lintel		2	5.70		0.67	7.64		
			2	4.30		0.67	5.76		
	Wall Above Slab		2	6.30		0.45	5.67		
			2	5.80		0.45	5.22		
	Deduction								
	D		-1	1.85		2.10	-3.89		
	W		-1	1.20		1.20	-1.44		

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	W1		-1	0.90		0.60	-0.54		
	W2		-2	0.60		0.60	-0.72		
		Sqm				Total qty	175.86	1173.70	206403.36
	Basic Rate	**1067.00**							
	Area Weightage 10%	**106.70**							
	Total	**1173.70**							
E2	UPVC Windows Providing & fixing of2-track x 2-panel sliding windowssliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour Volume-2 Pg- A34 Item No-720 PWD SR 21-22 Volume-2 P.No-A34,Sl.no-720, KPWD SR 2021-22								
	Ward No-01								
	R.O Plant In Police Quaters Bagalur Yelahanka								
	W		1	1.20		1.20	1.44		
	W1		1	0.90		0.60	0.54		
	W2		2	0.60		0.60	0.72		
	Ward No-02								
	R.O Plant In Inside CRPF Yelahanka								
	W		1	1.20		1.20	1.44		
	W1		1	0.90		0.60	0.54		
	W2		2	0.60		0.60	0.72		
	R.O Plant In Govt. PU College Yelahanka								
	W		1	1.20		1.20	1.44		
	W1		1	0.90		0.60	0.54		
	W2		2	0.60		0.60	0.72		
		Sqm				Total qty	8.10	5593.50	45307.35
	Basic Rate	**5085.00**							
	Area Weightage 10%	**508.50**							
	Total	**5593.50**							
E3	PVC pipe - OD 315mm and 6 Kg/sqcm (I.No-1177,Page No-35 BWSSB VOL-5 SR2021-22								
			4	16.50			66.00		
		Rmtr				Total qty	66.00	1738.59	114746.84
	Basic Rate	**1550.00**							
	Area Weightage 10%	**155.00**							
	Total	**1705.00**							
	Above 1.97%	**33.59**							
	Total	**1738.59**							
E4	Providing and laying at site of work MS casing caps as per IS 1239 (partII) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colars shall be strictly as per IS 1239 (Part-II) 1982 with all amendments including cost of material and labour charges for fixing, if any etc. complete with all lead and lifts and as directed by the Engineer in charge and as per the directions of the Engineer-in-charge of the work(I.No-34,Page No-155 BWSSB VOL-5 SR2021-22								
			4				4.00		
		Each				Total qty	4.00	183.95	735.82
	Basic Rate	**164.00**							
	Area Weightage 10%	**16.40**							
	Total	**180.40**							
	Above 1.97%	**3.55**							
	Total	**183.95**							
E5	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI hexagonal nipple confirming to IS 1239-II, 1991 with latest amendments if any and as per the directions of the Engineer-in-charge of the work(I.No-13.6,Page No-145 BWSSB VOL-5 SR2021-22								
			4	3.00			12.00		
						Total qty	12.00	245.65	2947.75

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	Basic Rate	219.00							
	Area Weightage 10%	21.90							
	Total	240.90							
	Above 1.97%	4.75							
	Total	245.65							
E6	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI elbow confirming to IS 1239-II, 1991 with latest amendments if any for and as per the directions of the Engineer-in-charge of the work(I.No-15.6,Page No-146 BWSSB VOL-5 SR2021-22								
			4	3.00			12.00		
		Each				Total qty	12.00	196.29	2355.51
	Basic Rate	175.00							
	Area Weightage 10%	17.50							
	Total	192.50							
	Above 1.97%	3.79							
	Total	196.29							
E7	Labour charges for erection of outdoor type panel board and meter boardunits with all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc., complete as per specification, with testing of as per instructions and as per the directions of the Engineer-in-charge of the work(I.No-40,Page No-163 BWSSB VOL-5 SR2021-22								
			4				4.00		
		Each				Total qty	4.00	1514.25	6057.02
	Basic Rate	1350.00							
	Area Weightage 10%	135.00							
	Total	1485.00							
	Above 1.97%	29.25							
	Total	1514.25							
E8	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete cutting road surfaces and as per the directions of the Engineer-in-charge of the work(I.No-6.6.3,Page No-41 KPWD Electrical SR 19-20]								
			4	11.75			47.00		
		Mtr				Total qty	47.00	412.98	19409.99
	Basic Rate	405.00							
	Above 1.97%	7.98							
	Total	412.98							
E9	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia and as per the directions of the Engineer-in-charge of the work(I.No45,Page No-164 BWSSB VOL-5 SR2021-22								
			4				4.00		
		Job				Total qty	4.00	4206.26	16825.05
	Basic Rate	3750.00							
	Area Weightage 10%	375.00							
	Total	4125.00							
	Above 1.97%	81.26							
	Total	4206.26							
E10	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm and as per the directions of the Engineer-in-charge of the work(I.No-27.1,Page No-162 BWSSB VOL-5 SR2021-22								
			4				4.00		
		Each				Total qty	4.00	1402.09	5608.35
	Basic Rate	1250.00							
	Area Weightage 10%	125.00							
	Total	1375.00							
	Above 1.97%	27.09							

	Description of Item	Unit	No.	Length	Width	Depth	Quantity	Rate	Amount
	Total	1402.09							
11	Supply and delivery at site of brand new best make non-return valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm and as per the directions of the Engineer-in-charge of the work (I.No-28.10,Page No-162 BWSSB VOL-5 SR2021-22								
			4				4.00		
		Each				Total qty	4.00	1430.13	5720.52
	Basic Rate	1275.00							
	Area Weightage 10%	127.50							
	Total	1402.50							
	Above 1.97%	27.63							
	Total	1430.13							
								Total Construction Cost	109549151.28
								18% GST For S.R Items	19718847.23
								Bescom Charges	75000.00
								Sub Total-1	129342998.51

AE
W-03
Assistant Engineer
B.B.M.P Banglore

Assistant Executive Engineer
B.B.M.P Banglore

Asst. Executive Engineer
Yelahanka Sub Divison
(BBMP Ynk. Zn)
Velahanka, Bangalore

Executive Engineer
Yelahanka Division
B.B.M.P Banglore

Executive Engineer
Yelahanka Division
Yelahanka Zone
Bruhat Bangalore Mahanagara Palike
BANGALORE - 560064

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Technical Sanction
Accorded For Rs129342998.51
Head of A/C. P3822
CER NO : 20 Dt: 22/05/24